SYLLABUS 2017-2020 Batch



KARPAGAM ACADEMY OF HIGHER EDUCATION

 (Deemed University Established Under Section 3 of UGC Act 1956) Coimbatore - 641021.
 (For the candidates admitted from 2016 onwards) DEPARTMENT OF COMMERCE (CA)

SUBJECT: INTRODUCTION TO INFORMATION TECHNOLOGYSEMESTER: ISUBJECT CODE: 17CCU102CLASSCLASS:

SYLLABUS

Semester I

L T P C 5 - - 5

17CCU102 INTRODUCTION TO INFORMATION TECHNOLOGY

Course Objective:

To equip the students with the basics of computer, operating system, software, MS Office soft ware and internet and email. It will enable the students to use MS Office software for different documentation purposes.

Learning Outcomes:

- > To know about the various concepts of information technology.
- > To enable the students to learn about the various functions in information technology.
- > To understand the various applications and information process in information technology.

Unit I

Introduction to computers: definition, characteristics and limitations of computers – Components of Computer System – Elements of Computers – Hardware – Software – Input and Output devices – storage devices.

Unit II

Operating system: Operating systems – Meaning, Definition, Functions and Types of Operating Systems – Booting process – Disk Operating System: Internal and External Commands -wild card characters – Computer virus, Cryptology. Windows operating system – Desktop, Start menu, Control Panel, Windows Accessories.

Unit III

MS Office: Ms Word – Meaning – Word Processing – Meaning and Features of Word Processing – Advantages and Applications of Word Processing – Toolbars – Creating, Saving and Closing a document – Moving and copying text – Text and Paragraph formatting, Applying Bullets and Numbering.

Unit IV

Ms Excel: Meaning – Features of MS Excel – Insertion and Deletion of Worksheet – Entering and editing data in worksheet – Cell range – Formatting – Auto Fill – Formulas and its disadvantages.
MS Power Point: Meaning – Slides – Creation of Slides – Slide Sorter, Slide Show, Slide Number, Slide Design, Slide Layout, Slide Show – View Show Set up Show, Custom Animation, Slide Transition.

Unit V

Internet, E- Commerce and E-Mail: E-Commerce: Meaning, Advantages and limitations, Application of e-commerce – E-mail – Creation of e-mail Id – Group communication – Tele conferencing – Video Conferencing – File Exchange – Bandwidth – Modem – Network Topologies – Network Types LAN, MAN, WAN and their architecture – Dial Up access.

Suggested Readings:

Text Book:

1. Peter Norton. (2017) Introduction to Computers, [7th Edition]. Mc Graw Hill Company New Delhi.

Reference Books:

- 1. Rajaraman V. (2013). *Introduction to Information Technology*. [2nd Edition]. New Delhi: Prentice Hall of India.
- Rajaraman V. (2014) Fundamentals of Computers [6th Edition]. New Delhi:Prentice Hall of India.
- 3. Deepak Bharihoke.(2012).*Fundamentals of Information Technology*. [Kindle Edition]. New Delhi: Excel Books.

Websites:

- W1:http://www.tutorialspoint.com/computer-components/
- W2:http://www.cram.com/computer/devices/
- W3:http://www.computer-pdf.com/operating -system/
- W4:http://www.scribd.com/MS Office
- W5:http://www.excel_easy.com/basic.Msexcel
- W6:http://www.networkingabasics.net



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LECTURE PLAN

SUBJECT: INTRODUCTION TO INFORMATION TECHNOLOGYSEMESTER: ISUBJECT CODE: 17CCU102CLASSCLASS:I B.COM CA

Sl No.	Lecture Duration (Hour)	Topics to be Covered	Support Materials
1	1	 Introduction to Computers: ➢ Definition Characteristics of Computers ➢ Speed, Accuracy, Diligence, Versatility, Storage capacity 	T1: 1-5 R3: 9-15 W1
2	1	 Limitations of Computers ➢ Expense, Power, Intelligence, Decision, Commonsense 	T1: 1-5 R5: 6-8 W1
3	1	Components of computer system ≻ CPU, Motherboard, Memory	T1:14-20,w1 R2 :17- 21, W2
4	1	 Input devices, Output devices, Storage devices 	W2, W4
5	1	 Elements of Computer System ➢ Control, Memory, Input, Output, Buses 	T1: 20-26 W4
6	1	Hardware: Definition➢ Power supply, Monitor, CPU	
7	1	 Mouse, Drives, Cards-Ethernet, Graphics, Sound 	W 3
8	1	 Software: ➢ Definition ➢ Types of Software ● System software 	R1: 183-200. W6
9	1	 Application software 	

$\mathbf{UNIT} - \mathbf{I}$

Lecture Plan 2017-2020 Batch

10	1	Input Devices ≻ Keyboard, Mouse	
11	1	 Light pen, Touch Screen, OCR etc., 	T1: 39-47, W4
12	1	Output devices > Printer, Monitor, Speakers, Arm robots	T1: 47-55 , W5
13	1	Storage devices → Floppy disks, CD-ROMs	
14	1	 Hard disks, Zip disks, Tape drives 	T1:58-65,W4
15	1	Recapitulation & Important Questions Discussion	
Total No .Of Hours			15

S1 No.	Duration (Hour)	Topics to be Covered	Support Materials
	, ,	Operating system	
1	1	 Definition Definition 	R2: 129-134 R3: :54-67, W6
		Functions of Operating System:	
2	1	 Process management Memory management 	
		Functions of Operating System:	
		Extended Machine	R2: :54-67,
3	1	> Mastermind	R1 :263 -274
		Types of operating system:	
		Batch processing	
		Types of Operating System	
	1	Serial processing	
4		Multi-processing	
		 Real time system Distributed Operating system 	R1 ·263 -274 W3
		 Parallel Operating system 	R3.275 W6
		Booting Process	
5	1	Booting process	
Ũ		 Types of Booting 	
		Disk operating system	
6	1	> Origin	
0		File system	R3 :115-116 W5

		Boot process	
7	1	Drive names	
		Memory management	
		Internal and external commands:	
		Internal commands	
Q	1	➢ CLS,DIR, COPY,	
0	1	Date, MD, RD	D2. 116 100
		External	NJ, 110-120
		commands	WZ
		Attrib,chkdisk,scandisk,tree,Edit	
		Wild cards	
9	1	Asterisks(*)	R3 :120 W1
		> Question mark (?)	
		Computer virus	
10	1	Symptoms	
10	-	> Types	W4
		Measures	
		Cryptology:	
11	1	Definition	R2: 135-140
		> History	
12	1	Modern Cryptology	
		> Issues	
1.0	_	Windows operating system	
13	1	Desktop: Icons,Buttons,Taskbar	R1: 65-67
		Start menu :Menu,Interface,Shortcut	
		Control panel: System security ,	
14	1	Network, User accounts	
14	1	Windows accessories:	W6
		Calculator, Paint, Notepad,	
		WordPad	
15	1	Recapitulation & Important Questions	
		Discussion	
Total I	No .Of H	ours	15

UNIT-III

S1 No.	Lecture Duration (Hour)	Topics to be Covered	Support Materials
1	1	Ms word ≻ Meaning ≻ Word for windows	T1: 78-79 W3

Lecture Plan 2017-2020 Batch

		Word Processing	T1 ·79. W4
2	1	Meaning	 , , , , , , , , , , , , , , , , , , ,
		Characters of word processing	
		Features of word processing	
3	1	> Word-wrap	T1: 80-86 W2
		> Justification	
4	1	Search & Replace	
		> Adjustments	
		Advantages of word processing	T1:86-87 W2
5	1	> Import data	
		Handy leatures	
		Applications of word processing	
6	1	Moninulate Text	W5 T1.87-01
		Mainpulate Text Editing	w511.67-91
7	1	 Formatting etc 	
		Toolbars	
8	1	> Standard	W4 T1:82-83
-	_	 Formatting 	
0	1	> Drawing	
9	1	Customizing	
		Create and save document	
10	1	Create-Open, Writing, Reading, etc.,	W1 T1.02 01
			WI 11.03-04
11	1	Save-save save as file name	
	-		
		Close, move and copy	W5 T1:85-87
12	1	Shortcut keys	
10	1	> Selection	W6 R2:85-87
15	1	File menu	
		Text and paragraph Formatting	
		> Alignment	W6 D1.00 09
14	1	Line Spacing	WO K1:92-90
		Shading and Borders	
15	1	Recapitulation & Important Questions	
		Discussion	
Total	No .Of Ho	urs	15

UNIT- IV	
Topics to be Covered	Support Materials
S-Excel	
Meaning	
Electronic spread sheet	
Database management	T1 :113-114 W2
atabase management	
eatures of MS-Excel	

No.	Duration (Hour)	Topics to be Covered	Support Materials
	· · ·	MS-Excel	
1	1	 Meaning Electronic spread sheet Database management 	T1 :113-114 W2
2	1	Database management	
3	1	 Features of MS-Excel Pivot tables Basic math Conditional formatting Sorting & Filtering 	T1 :114-115 W3
		Insertion and deletion of work sheet	
4	1	 Insert New worksheet Insert Multiple Worksheet Numbering Rename Deletion of worksheet 	T1 :116-118 W4
		Entering and editing data	
5	1	 Cell Data Entering Data Format Data 	T1 :118-120 W2
		Cell range and formatting	
6	1	 Select Cell, Range, Rows, Columns Formatting: Font, Alignment, Number 	T1 :121-126 W1
		AutoFill	
7	1	> Option Button> Option List	T1 :126 W5
		Formula and disadvantages	
8	1	 Formulas: Enter, Edit, Insert Functions Disadvantages: Execution, Storage, Malware. 	R1:118 W2
		MS Power Point	
9	1	 Meaning File Extension Pre-defined Formats 	R2 :88-89 W6
10	1	 Slide-Purpose Creation of slide-Auto content wizard,Design Template,Blank Presentation. 	R3 :190-193 W2

Lecture

S1

Lecture Plan²⁰

Total	No .Of Hou	urs	15
15	1	Recapitulation & Important Questions Discussion	
14	1	 Custom Animation: Animation Combo, Motion Path. Slide Transition:Add, Remove,Change 	R2 :195-197 W2
13	1	 Slide Layout: Formatting, color, Text, Font View Show setup: Slide show setup, Show dialog box. 	W2
12	1	 Slide number: Slide tab, Number, Date & Time Slide Design: Background, Template, Themes 	T1 :193-194 W2
11	1	 Slide Sorter-View, Dragging, Dropping and uses Slide Show- Running , Printing 	T1 :197 W2

UNIT-V

Sl No.	Lecture Duration (Hour)	Topics to be Covered	Support Materials
		Internet ,E-	
		Commerce, E-Mail: E-	
		Commerce	R1:309 -338
1	1	MeaningAdvantages: Customers, Business	T1:164-167
2	1	Limitations: Quality, Service, Security.	
3	1	 Application of E- commerce: Finance, Marketing, Manufacturing. 	R2:338-339,W5
		E-mail:	
4	1	 Purpose Domain Names Creation of E-mail-ID: Sign- in, Sign-up, Account setup 	R3:267-280, T2:185-186

Lecture Plan 2017-2020 Batch

		Group Communication: → Purpose, Uses, Characteristics	
5	1	 Telecommunication system, Audio, Video, Data 	W3,W1
6	1	 Video Conferencing: Dedicated system, Desktop system, webRTC platforms File exchange: Moving, Transfer, Network. 	W6
7	1	 BandWidth: ➢ Network, Multimedia, Internet. Modem: ➢ Dialup, Broadband, Voice 	W3
8	1	 Network Topologies: Meaning Types: Bus, Ring, Tree, Mesh , Hybrid 	W2
9	1	Types of Network: ≻ PAN,LAN	
10	1	Types of Network: ≻ WAN,MAN	R1: 145-165
11	1	 Network Architecture: > OSI, Distributed > Dialup Access 	W4
12	1	Recapitulation & Important Questions Discussion	
13	1	Previous year ESE Question Paper Discussion	
14	1	Previous year ESE Question Paper Discussion	
15	1	Previous year ESE Question Paper Discussion	
Tota	l No .Of Ho	ours	10

Suggested Readings:

Text Book:

 Peter Norton. (2017) Introduction to Computers, [7th Edition]. Mc Graw Hill Company New Delhi.

Reference Books:

- Rajaraman V. (2013). Introduction to Information Technology. [2nd Edition]. New Delhi: Prentice Hall of India.
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- 3. Deepak Bharihoke.(2012).*Fundamentals of Information Technology*. [Kindle Edition]. New Delhi: Excel Books.

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- W2:http://www.cram.com/computer/devices/
- W3:http://www.computer-pdf.com/operating -system/
- W4:http://www.scribd.com/MS Office
- W5:http://www.excel_easy.com/basic.Msexcel
- W6:http://www.networkingabasics.net



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UNIT I

Introduction to computers: definition, characteristics and limitations of computers – Components of Computer System – Elements of Computers – Hardware – Software – Input and Output devices – storage devices.

UNIT-I

INTRODUCTION TO COMPUTERS

INTRODUCTION:

The term computer is derived from the Latin word compute, which means to calculate. A computer is an electronic machine, devised for performing calculations and controlling operations that can be expressed either in logical or numerical terms. In simple terms, a computer is an electronic device that performs diverse operations with the help of instructions to process the information in order to achieve the desired results. Computer application extends to cover huge area including education, industries, government, medicine, scientific research etc. A computer is one of the most influential forces available in modern times. Due to its memory, high speed and perfection, i ts application can be extended to almost infinite levels.

Millions of complex calculations can be done in mere fraction of time. Difficult decisions can be made with accuracy for comparatively little cost. Computers are widely seen as instruments for future progress and as tools to achieve substantiality by way of improved access to information by means of video conferencing and e-mail. Indeed computers have left such on impression on modern civilization that we call this era as the information age.

Definition:

A computer is an electronic data processing device, which accepts and stores data input, processes the data input, and generates the output in a required format.

If we look at it in a very broad sense, any digital computer carries out the following five Functions:

Step 1 - Takes data as input.

Step 2 - Stores the data/instructions in its memory and uses them as required.

- Step 3 Processes the data and converts it into useful information.
- **Step 4** Generates the output.
- **Step 5** Controls all the above four steps.



CHARACTERISTICS OF COMPUTERS:

The main characteristics of computers are:

- a) Speed
- b) Storage
- c) Accuracy
- d) Versatility
- e) Automation
- f) Diligence
- g) Reliability

a) **Speed** : Computers are capable of carrying out the task with enor mous speed. Today's computers, according to their class, can perform from 4 MIPS (Millions of instructions per second) to 100 MIPS. What may take days for manual calculations may take only a few hours for computers to perform. Inside the computer the information signal travels at incredible electronic speed.

b) **Storage**: Computers can store enormous quantity of information. Which is expressed in terms of Kilobytes (or) Mega Bytes (MB) or Gega Bytes (GB). It is achieved through its 'Main memory' or 'Primary storage' and through 'auxiliary storage' or 'Secondary storage'. The Hard disks Floppy disk, Compact Disc(CD) and Magnetic Tape storage are examples of secondary storages. These large volumes of storage occupy much lesser space compared to paper documents and this aspect of computers makes them more powerful.

c) **Accuracy**: The accuracy of a Computer is consistently high. In fact, this quality of the computers make them indispensable in various fields such as Scientific Research, Space

Research, Weather Predictions and many other areas where precision of a high order is required. The accuracy of the computer is best achieved by programming them in the most efficient manner. When it comes to very complex mathematical or scientific problem the computer's accuracy has no substitute.

d) **Versatility**: Computers are versatile in that they can perform almost any task, provided they are given the appropriate logical steps. For example, they are capable of performing wide ranging tasks such as construction of a payroll, inventory management in a factory, hotel billing, hospital management, banking applications and any imaginable task in every walk of life.

e) **Automation**: The biggest advantage of computers is that it is automatic in its operation. Once a programming logic is initiated the computer performs repeated operations without human interventions until program completion.

f) **Diligence**: Computers are machines and that do not get tired or 'lose concentration' like human beings. If a large number of calculations say million calculations are to be performed the resultant output will remain exactly the same even if operations are repeated any number of times. But when a human being is asked to do the same job this consistency cannot be achieved. Thus for those who want consistent and continuous standard output, computer's 'diligence' is of great help.

g) **Reliability**: The computers give very accurate results with predetermined values. They correct and modify the parameters automatically, giving suitable signals. They give formatted results with high degree of precisions.

LIMITATIONS OF COMPUTERS:

1) No I.Q.

- A computer is a machine that has no intelligence to perform any task.
- Each instruction has to be given to the computer.
- A computer cannot take any decision on its own.

2) Dependency

• It functions as per the user's instruction, thus it is fully dependent on humans.

3) Environment

• The operating environment of the computer should be dust free and suitable.

4) No Feeling

- Computers have no feelings or emotions.
- It cannot make judgment based on feeling, taste, experience, and knowledge unlike

humans.

HISTORY OF COMPUTERS:

Generation in computer terminology is a change in technology a computer is/was being used. Initially, the generation term was used to distinguish between varying hardware technologies. Nowadays, generation includes both hardware and software, which together make up an entire computer system.

There are five computer generations known till date. Each generation has been discussed in detail along with their time period and characteristics.

In the following table, approximate dates against each generation has been mentioned, which are normally accepted.

Following are the main five generations of computers.

First Generation

The period of first generation: 1946-1959.Vacuum tube based.

Second Generation

The period of second generation: 1959-1965. Transistor based.

Third Generation

The period of third generation: 1965-1971. Integrated Circuit based.

Fourth Generation

The period of fourth generation: 1971-1980. VLSI microprocessor based.

Fifth Generation

The period of fifth generation: 1980- onwards. ULSI microprocessor based.

First Generation Computers

The period of first generation was from 1946-1959. The computers of first generation used vacuum tubes as the basic components for memory and circuitry for CPU (Central Processing Unit). These tubes, like electric bulbs, produced a lot of heat and the installations

used to fuse frequently. Therefore, they were very expensive and only large

organizations were able to afford it. In this generation, mainly batch processing operating system was used. Punch cards, paper tape, and magnetic tape was used as input and output devices. The computers in this gene ration used machine code as the programming language.

The main features of the first generation are:

- Vacuum tube technology
- Unreliable
- Supported machine language only
- Very costly
- Generated a lot of heat
- Slow input and output devices
- Huge size
- Need of AC
- Non-portable
- Consumed a lot of electricity

Second Generation Computers

The period of second generation was from 1959-1965. In this generation, transistors were used that were cheaper, consumed less power, more compact in size, more reliable and faster than the first generation machines made of vacuum tubes. In this generation,

magnetic cores were used as the primary memory and magnetic tape and magnetic disks as secondary storage devices. In this generation, assembly language and high- level programming languages like FORTRAN, COBOL were used. The computers used batch processing and multiprogramming operating system.

The main features of second generation are:

- Use of transistors
- Reliable in comparison to first generation computers
- Smaller size as compared to first generation computers
- Generated less heat as compared to first generation computers
- Consumed less electricity as compared to first generation computers.

Third Generation Computers

The period of third generation was from 1965-1971. The computers of third generation used Integrated Circuits (ICs) in place of transistors. A single IC has many transistors, resistors, and capacitors along with the associated circuitry. The IC was invented by Jack Kilby. This development made computers smaller in size, reliable, and efficient. In this generation remote processing, time-sharing, multiprogramming operating system were used. High-level languages (FORTRAN-II TO IV,COBOL, PASCAL PL/1, BASIC, ALGOL-68 etc.) were used during this generation.

The main features of third generation are:

- IC used
- More reliable in comparison to previous two generations
- Smaller size
- Generated less heat

Fourth Generation Computers

The period of fourth generation was from 1971-1980. Computers of fourth generation used Very Large Scale Integrated (VLSI) circuits. VLSI circuits having about 5000 transistors and other circuit elements with their associated circuits on a single chip made it possible to have microcomputers of fourth generation. Fourth generation computers became more powerful, compact, reliable, and affordable. As a result, it gave rise to Personal Computer (PC) revolution. In this generation, time sharing, real time networks, distributed operating system were used. All the high- level languages like C, C++, DBASE etc., were used in this generation.

The main features of fourth generation are:

- VLSI technology used
- Very cheap
- Portable and reliable
- Use of PCs
- Very small size
- Pipeline processing
- No AC required
- Concept of internet was introduced
- Great developments in the fields of networks

• Computers became easily available

Fifth Generation Computers

The period of fifth generation is 1980-till date. In the fifth generation, VLSI technology became ULSI (Ultra Large Scale Integration) technology, resulting in the production of microprocessor chips having ten million electronic components. This generation is based on parallel processing hardware and AI (Artificial Intelligence) software. AI is an emerging branch in computer science, which interprets the means and method of making computers think like human beings. All the high-level languages like C

and C++, Java, .Net etc., are used in this generation The main features of fifth generation are:

- ULSI technology
- Development of true artificial intelligence
- Development of Natural language processing
- Advancement in Parallel Processing
- Advancement in Superconductor technology
- More user-friendly interfaces with multimedia features
- Availability of very powerful and compact computers at cheaper rates.

BASIC FUNCTIONAL UNITSOF A COMPUTER :



Input Unit

This unit contains devices with the help of which we enter data into the computer.

This unit creates a link between the user and the computer. The input devices translate the information into a form understandable by the computer.

CPU (Central Processing Unit)

CPU is considered as the brain of the computer. CPU performs all types of data processing operations. It stores data, intermediate results, and instructions (program). It controls the operation of all parts of the computer.

CPU itself has the following three components:

- ALU (Arithmetic Logic Unit)
- Memory Unit
- Control Unit

a) Control Unit

This unit controls the operations of all parts of the computer but does not carry out any actual data processing operations. Functions of this unit are:

- It is responsible for controlling the transfer of data and instructions among other units of a computer.
- It manages and coordinates all the units of the computer.
- It obtains the instructions from the memory, interprets them, and directs the operation of the computer.
- It communicates with Input/Output devices for transfer of data or results from storage.
- It does not process or store data.

Output Unit

The output unit consists of devices with the help of which we get the information from the computer. This unit is a link between the computer and the users. Output devices translate the computer's output into a form understandable by the users.

COMPONENTS OF COMPUTER SYSTEM

A computer system is a combination of various components. It performs the system functions such as input, processing, output, storage and control. A computer system consists of the following components:

- 1. Hardware
- 2. Software
- 3. Human ware
- 4. Firmware
- 5. Bridge ware

1 Hardware : The physical components of the computer, such as electrical, electronics and mechanical unit are known as the hardware of the computer. That is, the input units, output units and CPU are called hardware. Thus hardware is the equipment involved in the function of a computer. It consists of the components that can be physically handled. The function of these components is typically divided into three main categories: input, output, and storage. Components in these categories connect to microprocessors, output and storage. Components in these categories connect to microprocessors, specifically, the computer's central processing unit (CPU), the electronic circuitry that provides the computational ability and control of the computer, via wires or circuitry called a bus.

2 Software: The computer performs operations like addition, subtraction, multiplication and division only when the user instructs it to do so. The user issues instructions and the CPU acts in accordance with the instructions. The sets of instructions, which control the sequence of operations, are known as programs, and collectively programs are called software. The software can be broadly classified into two types. They are:

a. System Software

b. Application software

3. Human ware: The man-machine interface is called a human ware. The people who work with the computer are collectively called the human ware or livewire.

4 Firmware: The computer programs permanently stored in ROM or PROM are called firmware. These programs are provided by hardware manufacturer along with the computers. Generally these are booting programs whichhelp in the starting of a computer. Such programs cannot be erased or overwritten.

5. Bridge ware: The computer components and programs used to translate

instructions and information written for one type of computer into a format that another type of computer can understand is called bridge ware. This is necessary because different computers are made by different manufacturers.

ELEMENTS OF COMPUTER:

A computer system consists of **hardware**, the physical unit (parts) of the computer that are capable of computing and manipulating information and software (set of instructions or programs) that carries out predefined tasks to complete a given job. The computer performs operations like addition, subtraction, multiplication and division only when the user instructs it to do so. The user issues instructions and the CPU acts in accordance with the instructions. The sets of instructions, which control the sequence of operations, are known as programs, and collectively programs are called **software**.

We can equate hardware and software with human body and human intelligence, respectively. All human physical actions such as walking and eating are based on the thoughts and feelings, which is raised by the brain. If the brain does not raise thoughts and feelings, we do no t perform any physical activity. Similarly, the actions and functioning of every hardware equipment is driven by software. The combination of physical equipment (hardware) and logical instructions (software) gives modern computing system their power and versatility.

COMPONENTS OF HARDWARE:

- I. Input unit: This unit accepts instructions and data.
- II. Output unit: This unit communicates the results to the user.
- III. Storage unit: This unit stores temporary and final results.

IV. Central Processing Unit (CPU): This unit performs processing of instructions and data inside thecomputer.

The CPU has three components: a) The Control Unit b) The Arithmetic Logic Unit (ALU) and c) The Memory Unit.

a) **Control Unit:** It controls the overall operation of the computer system. It is considered as the heart of the computer system. It controls all the other units, directs them to operate in a proper way and co-ordinates various operations performed. It instructs the input device to transfer the data and instructions to the main memory and then to the arithmetic and logic unit (ALU). Then, it sends the processed result from ALU to the memory unit for storage and transfers it to the visual display unit or to the ' printer. The control unit coordinates the various parts of the computer system - the arithmetic logic unit, the memory unit and the peripheral units.

Besides, it controls the flow of data into, from and within the main storage as per the program instructions. To perform its control operations effectively and quickly, the control unit has four basic components. They are

- (a) Instruction Register
- (b) Decoder
- (c) Address Register
- and (d) Instruction Counter.

The instruction register receives one by one the instructions to be executed in the required sequence. Then, the operation code of the instructions is transferred to decoder, which decodes the operation code. And it activates the appropriate circuits of the arithmetic and logic unit to perform the operation. The address register enables the data in the location specified in the instruction to be transferred to a specified accumulator for the arithmetic and logic unit.

b) Arithmetic Logic Unit (ALU) This unit performs two kinds of operations, the arithmetic processing and logical processing. In arithmetic processing it performs

all mathematical operations such as addition, subtraction, multiplication and division. In logical processing, it performs the relational and logical operations such as comparing larger or smaller values, true or false statements, etc.

c) **Memory Unit** : This unit holds the intermediate results during the course of calculations and provides the data as and when required. This internal storage is also called primary memory or main memory. This memory takes the data from an input device and stores it until the computer is ready to process it. It also stores processed data and intermediate results. When the processing is finished, it transfers the results to an output device.

SOFTWARE

Software is a generic term for organized collection of computer data and instructions. It is responsible for controlling, integrating, and managing the hardware components of a computer and to accomplish specific tasks. In other words, software tells the computer what to do and how to do it. For ex ample, software instructs the hardware what to display on the user 's screen, what kinds of input to take from the user, and what kinds of output to generate. Thus, software communicates with the hardware by organizing the control sequences, and the hardware carries out the instructions defined by the software.

A computer needs to be instructed to perform any task. These instructions are given in the form of computer programs, which are written in computer programming languages. A program controls the activity of the processor. The moment the hardware (processor, memory, etc.), acts as per the instructions of a program, the program is said to be in running or executing state. A set of programs, which are specifically written to provide the user a precise functionality like solving a specific problem is termed as a software package. For example, word processing software package provides functionality to the computer so that it can be used to create text documents like letters and mailing lists. Similarly, an image processing software package assists a user in drawing and manipulating graphics.

FEATURES OF SOFTWARE

1. Ease of use : The software systems and applications are becoming more and more easy to use. In fact, software developers and system analysts go to great lengths to ensure that the products they develop are user-friendlier than their competitor's products.

2. Graphical user interface (GUI) GUI or graphical user interface has now become the default standard for most of the software applications. Gone are the days of the crude character based interfaces of UNIX and DOS application. Today 's software applications and products provide the users with perceptive, graphical and easy-to-use interfaces. Now the users do not have to remember the cryptic system commands or shortcut keys that were a must in the character based era. Now almost any task can be accomplished by a mouse click.

3. Multi-platform capability : Today's software applications are not developed for just one platform. Most of the software applications supports multiple platformsboth hardware and software platforms. There are software applications that support hardware platforms ranging from mainframes to PCs and different software platforms like MVS, Solaris, AIX, UNIX, Windows and so on. For example IBM's DB2 Universal database is available for a variety or hardware and software platforms.

Another important feature of today's software application is that they support multiple languages and multiple currencies. Many vendors are providing their applications in many languages like English, Arabic, Japanese, and Chinese and so on.

4. Compatibility with other software : Now the competition for each market segment in the software marketplace is rather fierce. We have many software vendors battling for the market share in the same segment. For example, Microsoft Word 2000 supports all previous versions of Work like Word 97, Word 6, Word and so on. The two features –compatibility with earlier versions and compatibility with other products make it easier for the users, as they can choose the application they want and still use the old files they have created using other applications or using older versions of the same application.

5. Mail enabling Mail enabled applications are designed to take advantage of on email. These are the familiar word processors, spreadsheets, and other individual desktop applications that have email features built to them. There is another class of message-centered programs that are built specifically around e-mail functions.

6. Web enabling With the ever-increasing popularity of internet and the amount of information that is available on the net, most software applications are now webenabled. Web enabling helps the user in many different ways. Its use starts while the user is installing the application. During installation, most of the applications will automatically connect to the Internet and to the vendor's web site and will register their products (earlier one had to fill in a paper form and mail or fax it to the vendor).

INPUT DEVICES:

Following are some of the important input devices which are used in a computer:

- Keyboard
- Mouse
- Joy Stick
- Light pen
- Track Ball
- Scanner
- Graphic Tablet
- Microphone
- Magnetic Ink Card Reader (MICR)
- Optical Character Reader (OCR)
- Bar Code Reader
- Optical Mark Reader (OMR)

Keyboard

Keyboard is the most common and very popular input device which helps to input data to the computer. The layout of the keyboard is like that of traditional typewriter, although there are some additional keys provided for performing additional functions.

Keyboards are of two sizes 84 keys or 101/102 keys, but now keyboards with 104 keys or 108

keys are also available for Windows and Internet.

Mouse

Mouse is the most popular pointing device. It is a very famous cursor-control device havinga small palm size box with a round ball at its base, which senses the movement of the mouse and sends corresponding signals to the CPU when the mouse buttons are pressed. Generally, it has two buttons called the left and the right button and a wheel is present between the buttons. A mouse can be used to control the position of the cursor on the screen, but it cannot be used to enter text into the computer.

Advantages

- Easy to use
- Not very expensive
- Moves the cursor faster than the arrow keys of the keyboard

Joystick

Joystick is also a pointing device, which is used to move the cursor position on a monitor screen. It is a stick having a spherical ball at its both lower and upper ends. The lower spherical ball moves in a socket. The joystick can be moved in all four directions. The function of the joystick is similar to that of a mouse. It is mainly used in Computer Aided Designing (CAD) and playing computer games.

Light Pen

Light pen is a pointing device similar to a pen. It is used to select a displayed menu item or draw pictures on the monitor screen. It consists of a photocell and an optical system placed in a small tube. When the tip of a light pen is moved over the monitor screen and the pen button is pressed, its photocell sensing element detects the screen location and sends the corresponding signal to the CPU.

Track Ball

Track ball is an input device that is mostly used in notebook or laptop computer, instead of a mouse. This is a ball which is half inserted and by moving fingers on the ball, the pointer can be moved.Since the whole device is not moved, a track ball requires less space than a mouse. A track ball comes in various shapes like a ball, a button, or a square.

Scanner

Scanner is an input device, which works more like a photocopy machine. It is used when some information is available on paper and it is to be transferred to the hard disk of the computer for further manipulation. Scanner captures images from the source which are then converted into a digital form that can be stored on the disk. These images can be edited before they are printed.

Magnetic Ink Card Reader (MICR)

MICR input device is generally used in banks as there are large number of cheques to be processed every day. The bank's code number and cheque number are printed on the cheques with a special type of ink that contains particles of magnetic material that are machine readable.

This reading process is called Magnetic Ink Character Recognition (MICR). The main advantages of MICR is that it is fast and less error prone.

Optical Character Reader (OCR)

OCR is an input device used to read a printed text. OCR scans the text optically, character by character, converts them into a machine readable code, and stores the text on the system memory.

Optical Mark Reader (OMR)

OMR is a special type of optical scanner used to recognize the type of mark made by pen or pencil. It is used where one out of a few alternatives is to be selected and marked. It is specially used for checking the answer sheets of examinations having multiple choice

questions.

OUTPUT DEVICES:

Following are some of the important output devices used in a computer.

- Monitors
- Graphic Plotter
- Printer

Monitors

Monitors, commonly called as **Visual Display Unit** (VDU), are the m ain output device of a computer. It forms images from tiny dots, called pixels that are arranged in a rectangular form. The sharpness of the image depends upon the number of pixels. There are two kinds of viewing screen used for monitors.

- Cathode-Ray Tube (CRT)
- Flat-Panel Display

Cathode-Ray Tube (CRT) Monitor:

The CRT display is made up of small picture elements called pixels. The smaller the pixels, the better the image clarity or resolution. It takes more than one illuminated pixel to form a whole character, such as the letter 'e' in the word help.

A finite number of characters can be displayed on a screen at once. The screen can be divided into a series of character boxes - fixed location on the screen where a standard character can be placed. Most screens are capable of displaying 80 characters of data horizontally and 25 lines vertically.

There are some disadvantages of CRT:

• Large in Size

• High power consumption

Flat-Panel Display Monitor:

The flat-panel display refers to a class of video devices that have reduced volume, weight and power requirement in comparison to the CRT. You can hang them on walls or wear them on your wrists. Current uses of flat-panel displays include calculators, video games, monitors, laptop computer, and graphics display.

The flat-panel display is divided into two categories:

• **Emissive Displays** - Emissive displays are devices that convert electrical energy into light. For example, plasma panel and LED (Light-Emitting Diodes).

• **Non-Emissive Displays** - Non-emissive displays use optical effects to convert sunlight or light from some other source into graphics patterns. For example, LCD (Liquid-Crystal Device).

Printers

Printer is an output device, which is used to print information on paper. There are two types of printers:

- Impact Printers
- Non-Impact Printers

Impact Printers

Impact printers print the characters by striking them on the ribbon, which is then pressed on the paper.

Characteristics of Impact Printers are the following:

- Very low consumable costs
- Very noisy
- Useful for bulk printing due to low cost
- There is physical contact with the paper to produce an image These printers are of two types
- -
- Character printers
- Line printers

Character Printers

Character printers are the printers which print one character at a time. These are further divided into two types:

- Dot Matrix Printer (DMP)
- Daisy Wheel

Dot Matrix Printer

In the market, one of the most popular printers is Dot Matrix Printer. These printers are popular because of their ease of printing and economical price. Each character printed is in the form of pattern of dots and head consists of a Matrix of Pins of size (5*7, 7*9, 9*7 or 9*9) which come out to form a character which is why it is called Dot Matrix Printer.

Advantages

- Inexpensive
- Widely Used
- Other language characters can be printed

Disadvantages

- Slow Speed
- Poor Quality

Daisy Wheel

Head is lying on a wheel and pins corresponding to characters are like petals of Daisy (flower) which is why it is called Daisy Wheel Printer. These printers are generally used for word-processing in offices that require a few letters to be sent here and there with very nice quality.

Advantages

- More reliable than DMP
- Better quality
- Fonts of character can be easily changed

Disadvantages

- Slower than DMP
- Noisy
- More expensive than DMP

Non-impact Printers:

Non-impact printers print the characters without using the ribbon. These printers print a complete page at a time, thus they are also called as Page Printers. These printers are of two types -

- Laser Printers
- Inkjet Printers

Characteristics of Non-impact Printers

• Faster than impact printers

- They are not noisy
- High quality
- Supports many fonts and different character size

Laser Printers

These are non-impact page printers. They use laser lights to produce the dots needed to form the characters to be printed on a page.

Advantages

- Very high speed
- Very high quality output
- Good graphics quality
- Supports many fonts and different character size

Disadvantages

- Expensive
- Cannot be used to produce multiple copies of a document in a single printing

Inkjet Printers

Inkjet printers are non-impact character printers based on a relatively new technology.

They print characters by spraying small drops of ink onto paper. Inkjet printers produce

high quality output with presentable features. They make less noise because no hammering is done and these have many styles of printing modes available. Color printing is also possible. Some models of Inkjet printers can produce multipl e copies of printing also.

Advantages

- High quality printing
- More reliable

Disadvantages

- Expensive as the cost per page is high
- Slow as compared to laser printer.

STORAGE DEVICES:

There are two types of storage devices.

- a. Primary storage device
- b. Secondary Storage device.

a. PRIMARY STORAGE DEVICE OR RANDOM ACCESS MEMORY [RAM]: Primary storage is usually referred to as Random Access Memory [RAM] because it is possible to randomly select and use any location of this memory to directly store and retrieve data and instructions. It is also referred to as read/write memory because information can be 'read' from a RAM chip also be 'written' into it. The Random Access Memory requires some times for accessing data and is considered to be the fastest memory. Each bit in a RAM stores infom ation by means of electric charge, where the presence of an electric charge indicates'1' and the absence of an '0'. RAM is called Temporary storage, because data persists until the machine is on.

ROM : A Read Only Memory [ROM] is one in which information is permanently stored. The information from the memory can only be read and it is not possible to write fresh information into it. This is the reason why it is called ROM. When the power supply is switched off, the information stored inside ROM is not lost as it is in the case of a RAM chip. ROMs are mainly used by computer manufacturers for storing the micro programs so that they cannot be modified by the users.

b. SECONDARY STORAGE DEVICES :

This section of the memory is also referred to as backup storage because it is used to store large volume of data on a permanent basis which can be partially transferred to the primary storage as and when required for processing. The storage capacity of the primary storage of today's computers is not sufficient to store the large volume of time handled by most data processing centres. As a result, additional memory, called auxiliary memory or secondary storage, is used with most computer systems. Hard Disk, Floppy Disk, Tape and Compact Disc are the main secondary storage devices.

I) Hard Disk: The hard disk used in the PC is permanently fixed, hard disks with storage capacities of 8 GB, 10GB, 20GB, 40GB, are quite common, the CPU can use the hard disk to load programs and data as well as to store data We should oper ate the PC within a dust-free and cool room (Preferably air-conditioned) to prevent hard disk crash.

ii). Floppy Disk: Floppy disk is flexible circular disk of diameter 3.inches made of plastic coated with a magnetic material. This is housed in a square plastic jacket. The floppy disk can store 1.4 Mbytes of data [also called 1.44Mnytes, since it holds 1440Kytes]. Data recorded on a floppy disk is read and stored in a computer's memory by a device called a floppy disk drive[FDD]. A floppy disk is inserted in a slot of the FDD. Some of the floppies have limited life time. The floppies have to be recycled periodically to keep them alive. A frequently recycled floppy. [i.e used] will have a life time of 3to 4 years to do recycling take out old floppies occasionally and try to read them once, at least the directory.

iii). **Compact Disk:** CD-ROM [Compact Read Only Memory] uses a laser beam to record and read data along spiral tracks on a 51/4" disk. A disk can store around 650/00MB of information. CD- ROMs are normally used to store data as back up. Using a CD Writer, lot of information can be written on CD-ROM and stored for future reference.

iv). Tape Drives: Even though tape drives are one of the oldest of storage technologies, they can still hold the most data on a single cartridge. A computer tape drive works similar to a tape recorder or a VCR. A plastic tape ribbon is coated with magnetic particles which are polarized by

a magnetic field generated by the read/write head. Since tape is a sequential, and not a r andom- access media, a tape drive has to wind through a tape to locate a specific bit of data. This makes accessing data slow so tape is mainly used for system backups and regular archiving of files and records. Tape dives allow users to backup large amounts of data. Tape drives are capable of backing up a couple hundred megabytes to several gigabytes of information without having to spend large sums of money on disks. iv). **DLT [Digital Linear Tape]** :DLT drives are a robust and durable medium. The DLT segments the tape into parallel horizontal tracks and records data by streaming the tape across a single stationary head. Released in 1991 DLT drives are very reliable, high-speed, and high-capacity making the DLT drives an excellent use for Network backups.

v). Micro Vault USB Storage Media:

Micro Vault media plugs directly into the computer's SB port – and acts just like another drive. It is small, light, Shock-proof and moisture – proof. This nifty flash memory storage device is compact and durable enough to carry in any pocket. The device is recognized automatically when we connect it to the computer. By connecting it via USB, the files can be transferred by dragging and dropping. There are no cables or adaptors needed, no power cord and no driver software to install. It's compatible with both Macintosh and Windows operating systems, and even comes with software that password protects the contents of the device. Micro Vault They are perfect for sharing PowerPoint presentations, digital photos, MPEG video and MP3s, transporting files between work and home, or sharing files with friends and colleagues.



KARPAGAM ACADEMY OF HIGHER EDUCATION (Deemed University Established Under Section 3 of UGC Act 1956) Coimbatore - 641021. (For the candidates admitted from 2016 onwards) **DEPARTMENT OF COMMERCE (CA)**

SUBJECT: : INTRODUCTION TO INFORMATION TECHNOLOGY SEMESTER : I SUBJECT CODE: 17CCU102 CLASS : I B.COM CA

UNIT I

	OUESTIONS	OPTION 1	OPTION 2	OPTION 3	OPTION 4	ANSWER
1	allow us to send information to the computer	innut		data	CPU	input
2	CD ROM stands for	Compostable Read	Compact Data Read Only Mamory	Compactable Disk Read Only Momery	Compact Disk Bood Only	Compact Disk Bood Only
2				Compactable Disk Read Only Memory		
3	ALU is a.	Arithmetic Logic Unit	Array Logic Unite.	Application Logic Unitd.	None of above	Arithmetic Logic Unit
4	WAN stands for	Wap Area Network	Wide Area Network	Wide Array Netd.	Wireless Area Network	Wide Area Network
5	MICR stands for	Magnetic Ink Code	Magnetic Ink Cases Reader	Mechanism Ink Character Reader	Magnetic Ink Character Reader	Magnetic Ink Character Reader
6	allow us to get information from the computer	input	output	data	CPU	output
7	A light sensitive device that converts drawing, printed text or other images into digital form is	Keyboard	Plotter	Scanner	OMR	Scanner
8	Dot-matrix is a type of	Tape	Printer	Disk	Bus	Printer
9	Cursor is a	Pixel	Thin blinking line	Pointing device	input device	Thin blinking line
10	ASCII stands for	American Stable	American Standard Case for	American Standard Code for	American Standard Code for	American Standard Code for
11	Parsonal computers use a number of ching mounted on a main circuit heard. What is the common name for such beards?	Father board	Daughtar board	Provdboard	Motherboard	Motherboard
12	Con you tall what maggag into and out from the commutancia its marte?	Data	Daughter board	Crambias	Distance	Data
12						
13	Computer system comprises of major units	input unit, output unit,	input unit, output unit, control unit	input unit, output unit, central	input, output and storage units	input unit, output unit, central
14	What type of device is computer keyboard?	Memory	Output	Storage	Input	Input
15	Through which device the main components of the computer communicate with each other?	Keyboard	System Bus	Monitor	Memory	System Bus
16	The difference between memory and storage is that memory is and storage is	Temporary,	Permanent, Temporary	Slow, fast	Data,backup	Temporary, Permanent
17	The size of commonly used floppy disk is	4.5"	3.5"	3.25"	5.5"	3.5"
18	The processor which performs arithmetical and logical operations is called	Control	ALU	Register	Cache Memory	ALU
19	Which of the following memory is volatile	RAM	ROM	EPROM	PROM	RAM
20	Which of the following is the fastest	CPU	Magnetic Tapes and Disks	Video Terminal	Sensors, Mechanical Controllers	СРИ
21	Which is the device that converts computer output into a form that can be transmitted over a telephone line?	Teleport	Multiplexer	Concentrator	Modem	Modem
22	Computer Virus is a	Hardware	Software	Bacteria	Freeware	Software
22	Another term for Main Memory is	Hard Dial	ROM	Flonny Disk	RAM	RAM
23	Det metrix Deskiet Inkiet and Leger are all trace of which commute we with an 1-2	Drintora	Software	Monitora	V avhaarda	Drintora
24	is the high angular and Laser are all types of which computer peripherals?	Printers			Reyboards	
25	is the high speed memory used in the computer.	KANI x			BIO2	
26	The term 'memory' applies to which one of the following	Logic	Storage	Input Device	Output Device	Storage
27	The device primarily used to provide hardcopy is the	CRT	Computer Console	Printer	Card Reader	Printer
28	A list of instructions used by a computer is called	Text	CPU	Program	Output	Program
29	Which one is not an input device?	Keyboard	Mouse	Speaker	Scanner	Speaker
30	Memories which can be read only are called	RAM	ROM	DRAM	Secondary Memory	ROM
	CPU controls	All Input. Output and	Controls Memory	Controlled by the input data	ALU	All Input Output and processing
31		processing				
32	USB stands for ?	Universal Serial Rus	Universal Sequential Rus	Unique Serial Rus	Unique Sequential Rus	Universal Serial Rus
52	CDL stands for?	Control Dorformanaa	Control Processing Unit	Common Processing Unit	Control Processing Unit	Control Drocogging Light
33	CPU stands for?		Control Processing Unit	Common Processing Unit	Central Processing Unit	Central Processing Unit
24						
25		Hard Disk			Computer	Nother Board
	An optical input device that interprets pench marks on paper media is	Magnetic tape	Optical scanners	Punch card reader	U.M.R	U.WI.K
20	What does a system bus do?	allows the user to	carries out instructions	connects various components within	stores data and instructions	connects various components
36		communicate with the		the computer		within the computer
		computer				
37	What are the two types of monitors?	CRT and DVD	CRT and LCD	DVD and VCD	LCD and DVD	CRT and LCD
38	keys are present on the top row of the keyboard.	Function	Type writer	Numeric	Navigation	Function
39	Transformation of input into output is performed by?	Memory	Storage	The Input-Output unit	The CPU	The CPU
40	You can use the tab key to	Move a cursor across	Indent a paragraph	Move the cursor down the screen	Move the cursor to the right of	Indent a paragraph
		the core on			the screen	
40		the screen				
40	Computers use the number system to store data and perform calculations.	Decimal	Hexadecimal	Octal	Binary	Binary
40 41 42	Computers use thenumber system to store data and perform calculations.Thekey will launch the start buttons.	Decimal Esc	Hexadecimal Shift	Octal Windows	Binary Shortcut	Binary Windows
40 41 42 43	Computers use thenumber system to store data and perform calculations. Thekey will launch the start buttons. To move to the beginning of a line of text, press thekey.	Decimal Esc Home	Hexadecimal Shift A	Octal Windows PageUp	Binary Shortcut Enter	Binary Windows Home
40 41 42 43	Computers use thenumber system to store data and perform calculations. Thekey will launch the start buttons. To move to the beginning of a line of text, press thekey. What is backup?	Decimal Esc Home Adding more	Hexadecimal Shift A Protecting data by copying it from	Octal Windows PageUp Filtering old data from the new data	Binary Shortcut Enter Accessing data on tape	Binary Windows Home Protecting data by copying it from
$\begin{array}{c c} 40 \\ \hline 41 \\ \hline 42 \\ \hline 43 \\ \hline 44 \end{array}$	Computers use the number system to store data and perform calculations. The key will launch the start buttons. To move to the beginning of a line of text, press the key. What is backup?	Decimal Esc Home Adding more components to your	Hexadecimal Shift A Protecting data by copying it from the original source to a different	Octal Windows PageUp Filtering old data from the new data	Binary Shortcut Enter Accessing data on tape	Binary Windows Home Protecting data by copying it from the original source to a different
$\begin{array}{c c} 40\\ \hline 41\\ \hline 42\\ \hline 43\\ \hline 44\\ \end{array}$	Computers use the	Decimal Esc Home Adding more components to your network	Hexadecimal Shift A Protecting data by copying it from the original source to a different destination	Octal Windows PageUp Filtering old data from the new data	Binary Shortcut Enter Accessing data on tape	Binary Windows Home Protecting data by copying it from the original source to a different destination
$ \begin{array}{r} 40 \\ 41 \\ 42 \\ 43 \\ 44 \\ 45 \\ \end{array} $	Computers use the	Decimal Esc Home Adding more components to your network Super computers	Hexadecimal Shift A Protecting data by copying it from the original source to a different destination Laptops	Octal Windows PageUp Filtering old data from the new data Mini computers	Binary Shortcut Enter Accessing data on tape File servers	Binary Windows Home Protecting data by copying it from the original source to a different destination
$ \begin{array}{r} 40 \\ 41 \\ 42 \\ 43 \\ 44 \\ 45 \\ 46 \\ \end{array} $	Computers use the	Decimal Esc Home Adding more components to your network Super computers Scanner	Hexadecimal Shift A Protecting data by copying it from the original source to a different destination Laptops Lightpen	Octal Windows PageUp Filtering old data from the new data Mini computers Keyboard	Binary Shortcut Enter Accessing data on tape File servers Iov Stick	Binary Windows Home Protecting data by copying it from the original source to a different destination Laptops Ioy Stick
$ \begin{array}{r} 40 \\ 41 \\ 42 \\ 43 \\ 44 \\ 45 \\ 46 \\ 47 \\ \end{array} $	Computers use thenumber system to store data and perform calculations. Thekey will launch the start buttons. To move to the beginning of a line of text, press thekey. What is backup? Computers that are portable and convenient for users who travel are known as Which input device cannot be used to work in MS Office? A normal CD-ROM usually can store up to	Decimal Esc Home Adding more components to your network Super computers Scanner 680 K B	Hexadecimal Shift A Protecting data by copying it from the original source to a different destination Laptops Lightpen 680 Bytes	Octal Windows PageUp Filtering old data from the new data Mini computers Keyboard 680 MB	Binary Shortcut Enter Accessing data on tape File servers Joy Stick 680 GB	Binary Windows Home Protecting data by copying it from the original source to a different destination Laptops Joy Stick 680 MB
$ \begin{array}{r} 40 \\ 41 \\ 42 \\ 43 \\ 44 \\ 45 \\ 46 \\ 47 \\ 48 \\ \end{array} $	Computers use thenumber system to store data and perform calculations. Thekey will launch the start buttons. To move to the beginning of a line of text, press thekey. What is backup? Computers that are portable and convenient for users who travel are known as Which input device cannot be used to work in MS Office? A normal CD-ROM usually can store up to Which of the following devices have a limitation that we can only store information to it but cannot areas or modify it?	Decimal Esc Home Adding more components to your network Super computers Scanner 680 KB Floppy Disk	Hexadecimal Shift A Protecting data by copying it from the original source to a different destination Laptops Lightpen 680 Bytes Hard Disk	Octal Windows PageUp Filtering old data from the new data Mini computers Keyboard 680 MB Tape Drive	Binary Shortcut Enter Accessing data on tape File servers Joy Stick 680 GB CD-ROM	Binary Windows Home Protecting data by copying it from the original source to a different destination Laptops Joy Stick 680 MB CD-ROM
$ \begin{array}{r} 40 \\ 41 \\ 42 \\ 43 \\ 44 \\ 45 \\ 46 \\ 47 \\ 48 \\ 40 \\ \end{array} $	Computers use the number system to store data and perform calculations. The key will launch the start buttons. To move to the beginning of a line of text, press the key. What is backup? Computers that are portable and convenient for users who travel are known as	Decimal Esc Home Adding more components to your network Super computers Scanner 680 KB Floppy Disk Mass memory	Hexadecimal Shift A Protecting data by copying it from the original source to a different destination Laptops Lightpen 680 Bytes Hard Disk Internal memory	Octal Windows PageUp Filtering old data from the new data Mini computers Keyboard 680 MB Tape Drive Non-volatile memory	Binary Shortcut Enter Accessing data on tape File servers Joy Stick 680 GB CD-ROM PROM	Binary Windows Home Protecting data by copying it from the original source to a different destination Laptops Joy Stick 680 MB CD-ROM
$ \begin{array}{r} 40 \\ 41 \\ 42 \\ 43 \\ 44 \\ 45 \\ 46 \\ 47 \\ 48 \\ 49 \\ \end{array} $	Computers use the	Decimal Esc Home Adding more components to your network Super computers Scanner 680 KB Floppy Disk Mass memory What the process	Hexadecimal Shift A Protecting data by copying it from the original source to a different destination Laptops Lightpen 680 Bytes Hard Disk Internal memory	Octal Windows PageUp Filtering old data from the new data Mini computers Keyboard 680 MB Tape Drive Non-volatile memory	Binary Shortcut Enter Accessing data on tape File servers Joy Stick 680 GB CD-ROM PROM What the processor since to the servers	Binary Windows Home Protecting data by copying it from the original source to a different destination Laptops Joy Stick 680 MB CD-ROM Internal memory
$ \begin{array}{r} 40 \\ 41 \\ 42 \\ 43 \\ 44 \\ 45 \\ 46 \\ 47 \\ 48 \\ 49 \\ 50 \\ \end{array} $	Computers use the number system to store data and perform calculations. The key will launch the start buttons. To move to the beginning of a line of text, press the key. What is backup? Computers that are portable and convenient for users who travel are known as Which input device cannot be used to work in MS Office? A normal CD-ROM usually can store up to Which of the following devices have a limitation that we can only store information to it but cannot erase or modify it? Which computer memory is used for storing programs and data currently being processed by the CPU? What is output ?	Decimal Esc Home Adding more components to your network Super computers Scanner 680 KB Floppy Disk Mass memory What the processor taken from the second	Hexadecimal Shift A Protecting data by copying it from the original source to a different destination Laptops Lightpen 680 Bytes Hard Disk Internal memory What the user gives to the processor	Octal Windows PageUp Filtering old data from the new data Mini computers Keyboard 680 MB Tape Drive Non-volatile memory What the processor gets from the user	BinaryShortcutEnterAccessing data on tapeFile serversJoy Stick680 GBCD-ROMPROMWhat the processor gives to the	Binary Windows Home Protecting data by copying it from the original source to a different destination Laptops Joy Stick 680 MB CD-ROM Internal memory What the processor gives to the
$ \begin{array}{r} 40 \\ 41 \\ 42 \\ 43 \\ 44 \\ 45 \\ 46 \\ 47 \\ 48 \\ 49 \\ 50 \\ \end{array} $	Computers use the	Decimal Esc Home Adding more components to your network Super computers Scanner 680 KB Floppy Disk Mass memory What the processor takes from the user	Hexadecimal Shift A Protecting data by copying it from the original source to a different destination Laptops Lightpen 680 Bytes Hard Disk Internal memory What the user gives to the processor	Octal Windows PageUp Filtering old data from the new data Mini computers Keyboard 680 MB Tape Drive Non-volatile memory What the processor gets from the user	Binary Shortcut Enter Accessing data on tape File servers Joy Stick 680 GB CD-ROM PROM What the processor gives to the user	Binary Windows Home Protecting data by copying it from the original source to a different destination Laptops Joy Stick 680 MB CD-ROM Internal memory What the processor gives to the user
$ \begin{array}{c} 40 \\ 41 \\ 42 \\ 43 \\ 44 \\ 45 \\ 46 \\ 47 \\ 48 \\ 49 \\ 50 \\ 50 \\ 51 \\ \end{array} $	Computers use the number system to store data and perform calculations. The key will launch the start buttons. To move to the beginning of a line of text, press the key. What is backup? Computers that are portable and convenient for users who travel are known as Which input device cannot be used to work in MS Office? A normal CD-ROM usually can store up to Which of the following devices have a limitation that we can only store information to it but cannot erase or modify it? Which computer memory is used for storing programs and data currently being processed by the CPU? What is output ? In processing cheques which of the following I/O techniques have banks traditionally followed?	Decimal Esc Home Adding more components to your network Super computers Scanner 680 KB Floppy Disk Mass memory What the processor takes from the user OCR (Optical	Hexadecimal Shift A Protecting data by copying it from the original source to a different destination Laptops Lightpen 680 Bytes Hard Disk Internal memory What the user gives to the processor MICR (Magnetic Ink Character	Octal Windows PageUp Filtering old data from the new data Mini computers Keyboard 680 MB Tape Drive Non-volatile memory What the processor gets from the user Barcode	Binary Shortcut Enter Accessing data on tape File servers Joy Stick 680 GB CD-ROM PROM What the processor gives to the user VRT (Volume Rendering	Binary Windows Home Protecting data by copying it from the original source to a different destination Laptops Joy Stick 680 MB CD-ROM Internal memory What the processor gives to the user MICR (Magnetic Ink Character
$ \begin{array}{r} 40 \\ 41 \\ 42 \\ 43 \\ 44 \\ 45 \\ 46 \\ 47 \\ 48 \\ 49 \\ 50 \\ 51 \\ \end{array} $	Computers use the number system to store data and perform calculations. The key will launch the start buttons. To move to the beginning of a line of text, press the key. What is backup? Computers that are portable and convenient for users who travel are known as	Decimal Esc Home Adding more components to your network Super computers Scanner 680 KB Floppy Disk Mass memory What the processor takes from the user OCR (Optical Character	Hexadecimal Shift A Protecting data by copying it from the original source to a different destination Laptops Lightpen 680 Bytes Hard Disk Internal memory What the user gives to the processor MICR (Magnetic Ink Character Recognition)	Octal Windows PageUp Filtering old data from the new data Mini computers Keyboard 680 MB Tape Drive Non-volatile memory What the processor gets from the user Barcode	BinaryShortcutEnterAccessing data on tapeFile serversJoy Stick680 GBCD-ROMPROMWhat the processor gives to the userVRT (Volume Rendering Technique)	Binary Windows Home Protecting data by copying it from the original source to a different destination Laptops Joy Stick 680 MB CD-ROM Internal memory What the processor gives to the user MICR (Magnetic Ink Character Recognition)
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$ \begin{array}{r} 40 \\ 41 \\ 42 \\ 43 \\ 44 \\ 45 \\ 46 \\ 47 \\ 48 \\ 49 \\ 50 \\ 51 \\ 52 \\ 53 \\ 54 \\ 55 \\ 56 \\ 57 \\ 58 \\ 59 \\ 60 \\ \end{array} $	Computers use the number system to store data and perform calculations. The key will launch the start buttons. To move to the beginning of a line of text, press the key. What is backup? Computers that are portable and convenient for users who travel are known as Which input device cannot be used to work in MS Office? A normal CD-ROM usually can store up to Which of the following devices have a limitation that we can only store information to it but cannot erase or modify it? Which computer memory is used for storing programs and data currently being processed by the CPU? What is output ? In processing cheques which of the following I/O techniques have banks traditionally followed? QWERTY is used with reference to "Zipping" a file means Integrated Circuits (IC) chips used in computers are made with The term that we use to describe physical components of the system What is BIOS Stand For? Which of the following is not a storage device? The term 'memory' applies to which one of the following: A disk's content that is recorded at the time of manufacture and cannot be changed or erased by user is	Decimal Esc Home Adding more components to your network Super computers Scanner 680 KB Floppy Disk Mass memory What the processor takes from the user OCR (Optical Character Recognition) Monitor Encrypting the message Gold Hardware Better Integrated Operating System DVD Logic Read-only Monitors	Hexadecimal Shift A Protecting data by copying it from the original source to a different destination Laptops Lightpen 680 Bytes Hard Disk Internal memory What the user gives to the processor MICR (Magnetic Ink Character Recognition) Printer Compressing the message Silver Input Basic Input Output System Hard Disk Storage Memory-only Overhead	Octal Windows PageUp Filtering old data from the new data Mini computers Keyboard 680 MB Tape Drive Non-volatile memory What the processor gets from the user Barcode Keyboard Transfer the message Silicon Software Battery Integrated Operating Setup Floppy Disk Input Device Run-only Monitor and overhead projection	BinaryShortcutEnterAccessing data on tapeFile serversJoy Stick680 GBCD-ROMPROMWhat the processor gives to the userVRT (Volume Rendering Technique)MouseShortcut of messageCopperOperating SystemBackup Input Output SystemMouseOutput DeviceWrite-onlyTouch screen kiosks	Binary Windows Home Protecting data by copying it from the original source to a different destination Laptops Joy Stick 680 MB CD-ROM Internal memory What the processor gives to the user MICR (Magnetic Ink Character Recognition) Keyboard Compressing the message Silicon Hardware Basic Input Output System Mouse Storage Read-only
$ \begin{array}{r} 40 \\ 41 \\ 42 \\ 43 \\ 44 \\ 45 \\ 46 \\ 47 \\ 48 \\ 49 \\ 50 \\ 51 \\ 52 \\ 53 \\ 54 \\ 55 \\ 56 \\ 57 \\ 58 \\ 59 \\ 60 \\ \end{array} $	Computers use the number system to store data and perform calculations. The key will launch the start buttons. To move to the beginning of a line of text, press the key. What is backup? Computers that are portable and convenient for users who travel are known as Which input device cannot be used to work in MS Office? A normal CD-ROM usually can store up to Which of the following devices have a limitation that we can only store information to it but cannot erase or modify it? Which or puter memory is used for storing programs and data currently being processed by the CPU? What is output ? In processing cheques which of the following I/O techniques have banks traditionally followed? QWERTY is used with reference to "Zipping" a file means Integrated Circuits (IC) chips used in computers are made with The term that we use to describe physical components of the system What Does BIOS Stand For? Which of the following is not a storage device? The term 'memory' applies to which one of the following: A disk's content that is recorded at the time of manufacture and cannot be changed or erased by user is Which of displaying information at public places?	Decimal Esc Home Adding more components to your network Super computers Scanner 680 KB Floppy Disk Mass memory What the processor takes from the user OCR (Optical Character Recognition) Monitor Encrypting the message Gold Hardware Better Integrated Operating System DVD Logic Read-only Monitors	Hexadecimal Shift A Protecting data by copying it from the original source to a different destination Laptops Lightpen 680 Bytes Hard Disk Internal memory What the user gives to the processor MICR (Magnetic Ink Character Recognition) Printer Compressing the message Silver Input Basic Input Output System Hard Disk Storage Memory-only Overhead	Octal Windows PageUp Filtering old data from the new data Mini computers Keyboard 680 MB Tape Drive Non-volatile memory What the processor gets from the user Barcode Keyboard Transfer the message Silicon Software Battery Integrated Operating Setup Floppy Disk Input Device Run-only Monitor and overhead projection	BinaryShortcutEnterAccessing data on tapeFile serversJoy Stick680 GBCD-ROMPROMWhat the processor gives to the userVRT (Volume Rendering Technique)MouseShortcut of messageCopper Operating SystemBackup Input Output SystemMouseOutput DeviceWrite-onlyTouch screen kiosks	BinaryWindowsHomeProtecting data by copying it from the original source to a different destinationLaptopsJoy Stick680 MBCD-ROMInternal memoryWhat the processor gives to the userMICR (Magnetic Ink Character Recognition)KeyboardCompressing the messageSiliconHardwareBasic Input Output SystemMouseStorageRead-onlyTouch screen kiosks
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INTRODUCTION TO INFORMATION TECHNOLOGY 2017-2020 Batch



KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed University Established Under Section 3 of UGC Act 1956) Coimbatore - 641021. (For the candidates admitted from 2016 onwards) DEPARTMENT OF COMMERCE (CA)

SUBJECT	: INTRODUCTION TO	INFORMATION TECHN	NOLOC	GY
SEMESTER	: I			
SUBJECT CC	DE: 17CCU102	CLASS	:	I B.COM CA

POSSIBLE QUESTIONS

PART -A (1 MARK)

(Online Examinations)

PART – B (2 MARKS)

- 1. What is a utility program? Give example.
- 2. Name any three of the Application Software's and its uses
- 3. Explain OMR
- 4. Explain USB Port?
- 5. Expand EFTPOS? Give example
- 6. What is system software? Give example
- 7. Write any two uses of OCR?
- 8. What is RAM?
- 9. Define software?
- 10. What is Bus ?

PART – C (6 MARKS)

- 1. Explain the Elements of computer system
- 2. Describe the storage devices in detail
- 3. Explain the components of Motherboard
- 4. Describe the types of software with example
- 5. Explain the characteristics of computer system in detail
- 6. Explain Output devices in detail
- 7. Explain the components of CPU
- 8. Explain Input devices in detail.
- 9. Explain the components of Motherboard
- 10. Define software? Explain the type of software in detail



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SUBJECT: INTRODUCTION TO INFORMATION TECHNOLOGYSEMESTER: ISUBJECT CODE: 17CCU102CLASSCLASS:

Unit II

Operating system: Operating systems – Meaning, Definition, Functions and Types of Operating Systems – Booting process – Disk Operating System: Internal and External Commands -wild card characters – Computer virus, Cryptology. Windows operating system – Desktop, Start menu, Control Panel, Windows Accessories.

UNIT-II OPERATING YSTEM

An operating system (OS) is system software that manages computer hardware and software resources and provides common services for computer programs.



FUNCTIONS OF OPERATING SYSTEM:

Following are some of important functions of an operating System.

- □ Memory Management
- Process Management
- □ Device Management
- File Management
- □ Security

Memory Management:

Memory management refers to management of Primary Memory or Main Memory. Main memory is a large array of words or bytes where each word or byte has its own address.

Main memory provides a fast storage that can be accessed directly by the CPU. For a program to be executed, it must in the main memory. An Operating System does the following activities for memory management -

- □ Keeps tracks of primary memory, i.e., what part of it are in use by whom, what part are not in use.
- \Box Allocates the memory when a process requests it to do so.
- □ De-allocates the memory when a process no longer needs it or has been terminated.

Process Management:

In multiprogramming environment, the OS decides which process gets the processor when and for how much time. This function is called **process scheduling**. An Operating System does the following activities for processor management –

- Keeps tracks of processor and status of process. The program responsible for this task is known as traffic controller.
- $\hfill \hfill \hfill$
- □ De-allocates processor when a process is no longer required.

Device Management:

An Operating System manages device communication via their respective drivers. It does the following activities for device management –

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- Keeps tracks of all devices. Program responsible for this task is known as the I/O controller.
- \Box Decides which process gets the device when and for how much time.
- \Box Allocates the device in the efficient way.
- \Box De-allocates devices.

File Management:

A file system is normally organized into directories for easy navigation and usage. These directories may contain files and other directions.

An Operating System does the following activities for file management -

- □ Keeps track of information, location, uses, status etc. The collective facilities are often known as **file system**.
- $\hfill\square$ Decides who gets the resources.
- $\hfill \hfill \hfill$
- $\hfill\square$ De-allocates the resources.

Security Management:

By means of password and similar other techniques, it prevents unauthorized

access to programs and data.

TYPES OF OPERATING SYSTEM:

There are Many Operating Systems those have be Developed for Performing the Operations those are requested by the user. There are Many Operating Systems which have the Capability to Perform the requests those are received from the System. The Operating system can perform a Single Operation and also Multiple Operations at a Time. So there are many types of Operating systems those are organized by using their Working Techniques.

A) DESKTOP OPERATING SYSTEM

The control program in a user's machine (desktop or laptop). Also called a "client operating system," Windows is the overwhelming majority while the Macintosh comes second. There are also several versions of Linux for the desktop.

B) SERVER OPERATING SYSTEM:

A server operating system, also called a server OS, is an operating system specifically designed to run on servers, which are specialized computers that operate within a client/server architecture to serve the requests of client computers on the network. The server operating system, or server OS, is the software layer on top of which other software programs, or applications, can run on the server hardware. Server operating systems help enable and facilitate typical server roles such as Web server, mail server, file server, database server, application server and print server.

C) MAINFRAME OPERATING SYSTEM:

Mainframe operating systems are sophisticated products with substantially different characteristics and purposes. The architecture is distinct from the physical design, and, in fact, different machine designs might conform to the same computer architecture. In a sense, the architecture is the computer as seen by the user, such as a system programmer. For example, part of the architecture is the set of machine instructions that the computer can recognize and execute. In the mainframe environment, the system software and hardware comprise a highly advanced computer architecture, the result of decades of technological innovation.

MULTIUSER OPERATING SYSTEM: A multi-user operating system extends the basic concept of multi-tasking with facilities that identify processes and resources, such as disk space, belonging to multiple users, and the system permits multiple users to interact with the system at the same time.

- **D) MULTIPROCESSING OPERATING SYSTEM:** The Multi-processing Operating Systems never use any cards because the Process is entered on the Spot by the user. But the Operating System also uses the Process of Allocation and De-allocation of the Memory Means he will provide the Memory Space to all the Running and all the Waiting Processes. There must be the Proper Management of all the Running Jobs.
- **E) MULTITASKING OPERATING SYSTEM:**A multi-tasking operating system allows more than one program to be running in concurrency. This is achieved by time-sharing, dividing the available processor time between multiple processes that are each interrupted repeatedly in time slices by a task-scheduling subsystem of the operating system. Multi-tasking may be characterized in preemptive and co-operative types.
- **F) MULTITHREADING OPERATING SYSTEM:**It allows different parts of a single program to run concurrently.Multithreaing is an ability of an operating system to execute different parts of a program called threads.

BOOTING PROCESS:

Booting is a process or set of operations that loads and hence starts the operating system, starting from the point when user switches on the power button.

The Booting is a process involving 2 stages:

□ getting hardware up and running, and

getting the OS and other software up and running. The tasks that are carried during booting process are: Turn on the Power button.

- CPU pins are reset and registers are set to specific value.
- CPU jump to address of BIOS (0xFFFF0).
- BIOS run POST (Power-On Self Test) and other necessary checks.
- BIOS jumps to MBR(Master Boot Record).

•

- Primary Bootloader runs from MBR and jumps to Secondary Bootloader.
- Secondary Bootloaders loads Operating System.

BIOS-Basic Input Output System

As we have seen that at power up CPU is reset and its registers are set to the default value, which is an address pointing or directing to the hardware containing BIOS. Generally the hardware is EEPROM containing the BIOS. The tasks performed by BIOS are categorized as follows:

• **POST**- Power on Self Test is the foremost routine which checks and tests the basic hardware. If it fails then it displays error.

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• Initialization of the hardware devices by letting them run their individual BIOS(eg. video card have their own inbuilt BIOS code).

· Searching for the Master Boot Record and reading it.

• Copying the boot sector code to RAM and then switching the control to it.

Boot Sectors

A sector is a part of the hard disk having length of 512 bytes. A sector is termed as boot sector because of its location and because this sector is responsible for the further boot process of the system. This boot sector is generally called Master Boot Record. The MBR is a 512-byte sector, which is located in the first sector on the disk (sector 1 of cylinder 0, head 0). As soon as BIOS gets the boot sector, it tends to copy MBR to RAM and switches the execution authority to it.

In the MBR the first 446 bytes are the primary boot loader, which is also referred as PBL.

 \cdot The next sixty-four bytes are the partition table, which has the record for each of the partitions.

 \cdot The MBR ends with two bytes that should be 0xAA55. These numbers act as validation that this sector is the boot sector or Master Boot Record.



DISK OPERATING SYSTEM:

A disk operating system (abbreviated DOS) is a computer operating system that can use a disk storage device, such as a floppy disk, hard disk drive, or optical disc. A disk operating system must provide a file system for organizing, reading, and writing files on the storage disk DOS (Disk Operating System) is an operating system that runs from a hard disk drive. The term can also refer to a particular family of disk operating systems, most commonly MS-DOS (Microsoft Disk Operating System).

MS-DOS (Microsoft Disk Operating System):

Originally developed by Microsoft for IBM, MS-**DOS** was the standard operating system. **It** is a single-user, single-tasking computer **operating system** that uses a command line interface.

The main functions of DOS are to manage disk files, allocate system resources according to the requirement. DOS provides features essential to control hardware devices such as Keyboard, Screen, Disk Devices, Printers, Modems and programs.Basically, DOS is the medium through which the user and external devices attached to the system communicate with the system. DOS translate the command issued by the user in the format that is understandable by the computer and instruct computer to work accordingly. It also translates the result and any error message in the format for the user to understand.

TYPES OF DOS COMMANDS:

DOS Commands are instructions to perform tasks on files and directories. They are case insensitive. And as you already know, file is the area where we store group of information or data, and collection of group of files is called a directory.

DOS Commands are divided into 2 types:

Internal Commands: These are for performing basic operations on files and directories and they donot need any external file support.

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External Commands: These external commands are for performing advanced tasks and they do need some external file support.

Basic Internal Commands: The internal commands are those commands that are automatically loaded in the memory. Some commonly used DOS internal commands are:

- 1. Cls
- 2. Dir
- 3. Date
- 4. Time
- 5. Ver
- 6. Copycon
- 7. Type
- 8. Ren
- 9. Del
- 10. MD
- 11. CD
- 12. RD
- 13. Copy

1) **Cls** :- The purpose of this command is to clear the display screen and redisplay the Dos prompt at the top left corner of the screen.

Syntax:- C : / > Cls

2) Dir:- It displays the list of directories and files on the screen.

Syntax:- C : / > dir.

3) **Date:** - It displays the current system date. User can also change the current date with new date by using this command.

Syntax: - C : /> date

Current date is: sat 3-25-2015 Enter of new date (mm-dd-yy):-

4. **Time :** - It displays the current systems time user can also change existing time with new time by using this command.

Syntax : - C : / > time

Current time is 12:39 - 48:36 p Enter new time : -

5. **VER** : It displays the version of DOS being used currently.

Syntax : - C : / > Ver MS – Dos version 6 : 20 Copy card .

6. copycon : - The purpose of this command is to create a file.

Syntax : - C : / > copy con filename . extension

Saves the contents of file by pressing ctrl + z key combination at the last time of the file. File name should not be greater than 11 characters out of which 8 characters are for the name and 3 characters are for the extension.

Extension is optional : **Eg :** C : / > copy con ram I am a good boy

1. File is copied. C : / >

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7. **TYPE:-** Allows the user to see the contents of a file.

Syntax :- C :/ >Type path Eg: C:/ > Type D:/> ramu

REN : - The purpose of this command is to rename the old file name with new file name.

Syntax : - C : / > ren oldfilename newfilename C : / > ren ramu somu

9. DEL:- The purpose of this command is to delete file. The user can also delete multiple files by busing this command and long with while cards.

Syntax : - C : / > Del file name . extension C : / > Del ramu

 $C: Del \ensuremath{ x}$. prg.

10. MD:- The purpose of this command is to create a new directly or sub directly i.e sub ordinate to the currently logged directly.

Syntax : - C : /> MD directory C : /> MD sub directory

Ex : C : / > MD college

Now user wants to create a sub directory first year in college directory then C : / > cd college

C: / > college > Md first year

11. CD : - The purpose of this command is to change from one director to another directory or sub – directory.

Syntax : - C : / > CD directory name

Ex : C: / > cd college

C: / > college > CD first year C: / > college > first year >

If the user wants to move to the parents directory then use CD command as

C : / > college > first year > cd C : / > college >

12 . RD: - The purpose of this command is to remove a directory or sub directory. If the user wants to remove a directory or sub – directory then first delete all the files in the sub – directory and then remove sub directory and remove empty main directory.

13. COPY: The purpose of this command is to copy one or more specified files to another disk with same file name or with different file name.

Syntax : - C : / > copy source path target path C : / > copy A :/> $\tilde{}$ *. * $\tilde{}$ C : /> chinni

a. C : / > dir/p – It displays the list of directories or files page wise

b. C: / > dir/w- It displays the list of directories or files width wise

c. C : / > dir/d: –It display list of directories or files in drive D

d. C : / > dir filename . extension – It displays the information of specified file.

e. C : / > dir file name with wild cards.

Basic External Commands: This commands are not permanent part of the memory. To execute or run this commands an external file is required..Some commonly used DOS external commands are :

1. **CHKDSK:-** The command CHSDK returns the configuration status of the selected disk. It returns the information about the volume, serial number, total disk space, space in directories, space in each allocation unit, total memory and free memory.

Syntax : - C : / > CHKDSK drive name

Eg:- C : / > CHKDSK e :

If drive name is not mentioned by default current drive is considered.

2. **Diskcopy :** - Disk copy command is used to make duplicate copy of the disk

like Xerox copy. It first formats the target disk and then copies the files by collection. From the source disk and copied to the target disk.

Syntax : - C : / > disk copy < source path > < destination path >

Ex: - c : / > diskcopy A : B :

NOTE: - This command is used after diskcopy command to ensure that disk is copied successfully.

3. Format : - Format is used to erase information off of a computer diskette or fixed drive.

Syntax : - C : / > format drive name

Ex : C : / > format A:

4. Label : This command is used to see volume label and to change volume label.

Syntax : C : / > label drive name

Ex : C : / > label A:

5. Scandisk : - This utility is used to repair and check various disk errors. It also defects various physical disk errors and surface errors.

Syntax : - C : / > scandisk < drive names > C : / > Scandisk A :

6. Move : The purpose of move is move to files from one place to another place.

Syntax: C : / > Move < source path > < target path >

7. Print : This command allowed users to print a text file to a line printer.

Syntax : C : / > Print < files name > C : / > print ramu

8. **Tree :** This command displays the list of directories and files on specified path using graphical display. It displays directories of files like a tree.

Syntax:- C : / > tree > path C : / > tree A:

9. Deltree: This command is used to delete files a directories same as by the del and RD commands. This command is more useful than del and RD commands because it completely removes specified directories ie., disk will all it files and sub – directories at a time.

Syntax:- C : / > deltree (path) C : / > deltree A:/>ramu

Wild Card Characters: It is the set of special characters wild are used with some commonly used DOS commands. There are two types of wild cards.

1. Asterisk (*~) :The wild

word will match all characters.

For example:

C : / > dir *.* - will display list of all files and directories.

 $C: / > dir R^*.^*$ - will display all files stored with first character R.

2. **Question mark (?):** - This wild card represents a single character that a group or files have in common.

C: / > dir ac .* $\tilde{}$ - will display all files having any first character and remaining name has given in command.

C: / > dir ??? R . doc $\,$ - will display all files having extension doc and having any first three letters and

fourth letter is R.

Computer virus: It is a program, script, or macro designed to cause damage, steal personal information, modify data, send e-mail, display messages, or some Prepared by Mr. K. Veerasamy, Asst. Prof., Department of Computer Application, KAHE 16/25

combination of these actions. When the virus is executed, it spreads by copying itself into or over data files, programs, or boot sector of a computer's hard drive, or potentially anything else writable. To help spread an infection the virus writers use detailed knowledge of security vulnerabilities, zero days, or social engineering to gain access to a host's computer.

A **computer virus** is a type of malicious software program ("malware") that, when executed, replicates itself by modifying other computer programs and inserting its own code. Computer viruses can do considerable damage to computer systems. Viruses are infections. Computer infections can come in several forms and your computer can "catch" one in several ways:

An **email virus** is one type of computer virus. An email virus can travel through attachments in email messages and can automatically replicate itself by mailing itself to dozens or even hundreds of people on your list of contacts found in your online address book. There are email viruses that can launch themselves into your computer while you are simply viewing the message. You don't even need to double-click the message in order for the message to install itself.

A **Trojan horse** is not a virus. It is a computer program that claims to be a game but, in actuality, will just do damage once you run it. It may even erase your hard disk. It cannot automatically replicate itself.

A **worm** is a type of software called mallware that uses security holes and computer networks in order to replicate itself. The worm will scan the network for machines which carry a particular security hole. It will then copy itself to the machine through the security hole and will start replicating itself.

Viruses in general, start working and spreading once you start using the application or program to which the virus is attached. For instance, a program that has a virus in it will place the virus in the system's memory each time that

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program is run.

Once the virus is in the memory, one of several things can happen. First, it can be programmed to attach itself to other programs and applications, folders, or disks. Second, if given the chance, it can infect a network.

Cryptology: Cryptography or **cryptology** is the practice and study of techniques for secure communication in the presence of third parties

The field of cryptology includes both the study of and practice of securing information in the presence of untrusted third parties or adversaries. Specifically, it is focused on creating and analyzing the protocols used to subvert attempts by adversaries to gain access to or interrupt the flow of information between trusted parties. Specific focus areas of cryptology include data confidentiality, authentication, non-repudiation, and data integrity. The modern-day field of study has grown to include advanced applications from the computer science, math, and electrical engineering disciplines. Applications include secure communications, eCommerce, network and computer passwords, and debit and credit cards.

Windows Operating System:

The Windows operating systems (Windows OS) are more formally called Microsoft Windows and is a family of operating systems for personal computers. Windows dominates the personal computer world, running, by some estimates, more than 90 percent of all personal computers – the remainder running Linux and Mac operating systems.Windows provides a graphical user interface (GUI), virtual

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memory management, multitasking, and support for many peripheral devices. In addition to Windows OS for personal computers, Microsoft also offers operating systems for servers and personal mobile devices.

These are the different Versions of Windows Family:

Operating System	Version Number
Windows 1.0	1.04
Windows 2.0	2.11
Windows 3.0	3
Windows NT 3.1	3.10.528
Windows for Workgroups	s3.11
3.11	
Windows NT Workstation 3.5	3.5.807
Windows NT Workstatior	n3.51.1057
3.51	
Windows 95	4.0.950
Windows NT Workstation 4.0	4.0.1381
Windows 98	4.1.1998
Windows 98 Second Edition	4.1.2222
Windows Me	4.90.3000
Windows 2000 Professional	5.0.2195
Windows XP	5.1.2600
Windows Vista	6.0.6000
Windows 7	6.1.7600
Windows 8.1	6.3.9600

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Windows XP:

Windows XP (codenamed Whistler) is a personal computer operating system that was produced by Microsoft as part of the Windows NT family of operating systems. It was released to manufacturing on August 24, 2001, and broadly released for retail sale on October 25, 2001.Windows XP received generally positive reviews, with critics noting increased performance (especially in comparison to Windows ME), a more intuitive user interface, improved hardware support, and its expanded multimedia capabilities.[6] Despite some initial concerns over the new licensing model and product activation system, Windows XP eventually proved to be popular and widely used.

Features of Windows XP:

- Reliable
- Windows file protection
- Windows installer
- Encrypting File System
- Windows firewall
- Windows Security Center
- Fresh Visual Design
- Work with rich media
- Remote connectin
- Use of multiple monitors
- Integrated CD burning
- Offline folder feature

Basic Components / Elements Of Windows:

The Desktop is the basic opening screen in Windows. It consists of 3 primary elements that are broken down into sub-elements. Here is a picture of a simple desktop with the default colors.



The entire gray bar at the bottom is the TaskBar. The Start Menu, Quick Launch Toolbar and the Systray are all sub parts or elements of the Taskbar. Each of these elements are separated by a vertical line.All of the icons are called Objects. The element of the Desktop that is overlooked by many is the blank area.

Placing the mouse cursor over any element and clicking the right mouse button displays a menu that varies by the location of the cursor.

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ICONS: An icon is a pictogram or ideogram displayed on a computer screen in order to help the user navigate a computer system. In a computer's graphical user interface (GUI), an icon is an image that represents an application, a capability, or some other concept or specific entity with meaning for the user. An **icon** is usually selectable but can also be a nonselectable image such as a company's logo.

Task Bar: The system tray is part of the task bar and displays the current time as well as the status icons.

Structure of Windows:

The various parts of windows are as follows:



On the topmost part of a window there is always a bright colored (by default this color is blue, but you can change it) bar called the **titlebar**. This bar has several

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parts.

1. **Control Icon:** This is situated on the extreme left side of the titlebar and different applications put different icons there. By clicking on it, you will get a menu (as pictured below) which lets you move, re- size, minimize, maximize, and close the window. Of course, you can do all of these in other ways without using the control icon.

2. **Document name** and **Application name**: These names appear on this bar and hence the name titlebar. Unless you have named your document (i.e., saved the file with a file name) most applications will put there names like Untitled, Document.The above picture of a typical application window was created by using Windows free word processor *WordPad*, So on the titlebar, it says "Document - WordPad".

3. **Minimize, Maximize, Close**: These three buttons are always located on the extreme right side of the titlebar and their functions are obvious. Clicking on the minus (-) sign will minimize the window and it will become just a button on the taskbar. Clicking on the square box sign will maximize the window and it will expand to fill the entire desktop.

- 3. Just under the titlebar is the **menubar**. As the name suggests, it holds the menu of commands. As in a restaurant menu, the commands are grouped into categories. Instead of Appetizers, Soups, Entrees, Desserts, Hot Drinks, Cold Drinks, etc. we have things like File, Edit, View, Insert, Format, Help, etc. here.
- 4. Under the menubar comes the toolbar. This bar holds tools for the commonly executed commands. Just clicking on the command's icon executes the command and hence saves time needed to find the command from the menubar and then clicking on it. Most modern day programs use the same icons for the commonly executed commands.

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- 5. The large blank area in the middle of the application window that covers the most area of the window is for holding the **document** you are creating, or editing, or viewing is called work area.
- 6. Below the document area runs the **statusbar**. In this area Windows notifies you about what is currently happening, such as when you are saving a file, it might tell you Saving ... or Done.
- 7. When the document is too big (too long, too wide, or both) for the window to display in its document holding area, Windows *automatically* inserts scrollbars and scroll boxes as shown in the windows picture above. The vertical scrollbar is for scrolling up and down the window.

The **horizontal scrollbar** is for scrolling side to side. Scrolling is done either by clicking on the **scroll arrows** - one click at a time, or by pressing a scroll arrow with the mouse pointer and keep it pressed, or by clicking directly on the scrollbar, or by dragging the scroll box with the mouse pointer.

Control Panel:

The Control Panel is a part the Microsoft Windows, in older versions, which allows users to view and manipulate basic system settings and controls via applets, such as adding hardware, adding and removing software, controlling user accounts, and changing accessibility options. Additional applets can be provided by third party software.The Control Panel has been an inherent part of the Microsoft Windows operating system since Windows 2.0,^[1] with many of the current applets being added in later versions. Beginning with Windows 95, the Control Panel is implemented as

a special folder, i.e. the folder does not physically exist, but only contains

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shortcuts to various applets such as Add or Remove Programs and Internet Options.





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SUBJECT:: INTRODUCTION TO INFORMATION TECHNOLOGYSEMESTER : IISUBJECT CODE: 17CCU102CLASSCLASS: I B.COM CA

	UNIT II					
S.NO	QUESTIONS	OPTION 1	OPTION 2	OPTION 3	OPTION 4	ANSWER
1	The part of machine level instruction, which tells the central processor what has to be done, is	Operation code	Address	Locator	Flip-Flop	Operation code
2	Most operating systems are comprised of three main components: the, the file system, and the shell.	desktop	kernel	user interface	code	kernel
3	Thekeeps track of directories and files.	kernel	file system	shell	user interface	file system
4	A system program that combines the separately compiled modules of a program into a form suitable for execution	assembler	linking loader	cross compiler	load and go	linking loader
5	Process is	program in High level language kent on disk	contents of main memory	a program in execution	a job in secondary memory	a program in execution
6	Interprocess communication	is required for all processes	is usually done via disk drives	is never necessary	allows processes to synchronize	allows processes to
					activity	synchronize activity
7	User-Friendly Systems are	required for object-oriented	easy to develop	common among traditional	becoming more common	becoming more common
8	A system program that sets up an executable program in main memory ready for execution is	assembler	linker	loader	compiler	loader
9	The operating system is an example of a computer	object	file system	program	desktop	program
10	Most often you click with the button when you want to select something	middle	left	right	all of the above	left
11	Before the days of Windows, users interfaced with the operating system through a interface	graphical	object oriented	command utility	command line	command line
12	What is the name given to the organized collection of software that controls the overall operation of a computer?	Working system	Peripheral system	Operating system	Controlling system	Operating system
13	The is often used as part of a path	comma	forward slash	backslash	semicolon	backslash
14	The is often used in a switch	comma	forward slash	backslash	semicolon	forward slash
15	Resolution of externally defined symbols is performed by	Linker	Loader	Compiler	Assembler	Linker
16	System generation	is always quite simple	is always very difficult	varies in difficulty between systems	requires extensive tools to be	varies in difficulty between
		is a way o quite ompre			understandable	systems
17	The is the entire window that fills your computer screen and its contents.	System Tray	Taskbar	Desktop	Quick Launch Toolbar	Desktop
18	A quicker way to launch a program is to click on it in the	System Tray	Taskbar	Desktop	Quick Launch Toolbar	Quick Launch Toolbar
19	If you right click on a file or folder, one of the context menu options is	remote	send to	copy to	rename to	send to
20	While working with MS-DOS, which command will you use to transfer a specific file from one disk to another?	DISKCOPY	COPY	RENAME	FORMAT	COPY
21	You can drop a file onto the start button to add it to the	Quick Launch Toolbar	1 askbar disparata	Start menu	kecycle Bin	Start menu
22	Many operating system unectory structures are Bug means	A logical error in a program	A difficult syntax error in a program	Documenting programs using an	keeps track of each and every	A logical error in a program
23			r announ syntax enor in a program	efficient documentation tool	memory location	
24	Memory management is	not used in modern operating	replaced with virtual memory on	not used on multiprogramming	critical for even the simplest	critical for even the simplest
25		root	tree	systems	operating systems	operating systems
23	The of a directory structure is the topmost directory on the disk.	1001 A corrected 1	A stap by stop proceeding for a 1		the address of the data is sure 1: 11	A step by step mage line for
26	An argorithm is described as	A computer language	a problem	A branch of mathematics	the users	solving a problem
27	Explorer is a Web browser that allows to more easily navigate the Internet	Windows	Netscape	Internet	Microsoft	Internet
28	Explorer is a tool that lets you more easily navigate the files and folders on your computer	Windows	Netscape	Internet	Microsoft	Windows
29	What is a shell ?	is a hardware component	It is a command interpreter	It is a part in compiler	It is a tool in CPU scheduling	It is a command interpreter
30	A floppy disk can hold when it is formatte	2.0 MB	1.44 KB	1.44 MB	2.0KB	1.44 MB
31	Virtual memory is?	An extremely large main memory	An extremely large secondary	An illusion of extremely large main	A type of memory used in super	An illusion of extremely large
			memory	memory	computers	main memory
32	Examples of fileare read only, hidden, and archive.	types	sizes	attributes	formats	attributes
33		borrow/delete	move/conv	copy/move	none of the above	copy/move
	If youa file you now have more than one instance of it; if youa file, you only have one instance of it.		movereopy	copymere		00p)/110/0
	If youa file you now have more than one instance of it; if youa file, you only have one instance of it.					
34	If youa file you now have more than one instance of it; if youa file, you only have one instance of it. Each copy of the file is referred to as a different of the file. Software that measures mentions and controls and controls are local to as a different of the file.	attribute	element	version	facet	version
34 35 36	If youa file you now have more than one instance of it; if youa file, you only have one instance of it. Each copy of the file is referred to as a different of the file. Software that measures, monitors, analyzes, and controls real-world events is called	attribute system software	element real-time software	version scientific software	facet business software	version real-time software
34 35 36	If youa file you now have more than one instance of it; if youa file, you only have one instance of it. Each copy of the file is referred to as a differentof the file. Software that measures, monitors, analyzes, and controls real-world events is called is referred to as a path using the proper syntax.	attribute system software c;windows/desktop	element real-time software c:>	version scientific software c:\windows\desktop\My Documents	facet business software c:winnt/system32	version real-time software c:\windows\desktop\My Documents
34 35 36 37	If youa file you now have more than one instance of it; if youa file, you only have one instance of it. Each copy of the file is referred to as a different of the file. Software that measures, monitors, analyzes, and controls real-world events is called is referred to as a path using the proper syntax. Symbolic names can be associated with	attribute system software c;windows/desktop Information	element real-time software c:> data or instruction	version scientific software c:\windows\desktop\My Documents operand	facet business software c:winnt/system32 mnemonic operation	version real-time software c:\windows\desktop\My Documents data or instruction
34 35 36 37 38	If youa file you now have more than one instance of it; if youa file, you only have one instance of it. Each copy of the file is referred to as a differentof the file. Software that measures, monitors, analyzes, and controls real-world events is called is referred to as a path using the proper syntax. Symbolic names can be associated with Correcting errors in a program is referred to as	attribute system software c;windows/desktop Information Debugging	element real-time software c:> data or instruction bugging	version scientific software c:\windows\desktop\My Documents operand Rectifying	facet business software c:winnt/system32 mnemonic operation modifying	version real-time software c:\windows\desktop\My Documents data or instruction Debugging
34 35 36 37 38 39	If youa file you now have more than one instance of it; if youa file, you only have one instance of it. Each copy of the file is referred to as a differentof the file. Software that measures, monitors, analyzes, and controls real-world events is called is referred to as a path using the proper syntax. Symbolic names can be associated with Correcting errors in a program is referred to as The Recycle Bin is configured automatically to be able to store files equal toof the size of your hard disk.	attribute system software c;windows/desktop Information Debugging 1 percent	element real-time software c:> data or instruction bugging 5 percent	version scientific software c:\windows\desktop\My Documents operand Rectifying 10 percent	facet business software c:winnt/system32 mnemonic operation modifying 15 percent	version real-time software c:\windows\desktop\My Documents data or instruction Debugging 10 percent
34 35 36 37 38 39 40	If youa file you now have more than one instance of it; if youa file, you only have one instance of it. Each copy of the file is referred to as a differentof the file. Software that measures, monitors, analyzes, and controls real-world events is called is referred to as a path using the proper syntax. Symbolic names can be associated with Correcting errors in a program is referred to as The Recycle Bin is configured automatically to be able to store files equal toof the size of your hard disk. PCB =	attribute system software c;windows/desktop Information Debugging 1 percent Program Control Block	element real-time software c:> data or instruction bugging 5 percent Process Control Block	version scientific software c:\windows\desktop\My Documents operand Rectifying 10 percent Process Communication Block	facet business software c:winnt/system32 mnemonic operation modifying 15 percent Program Communication Block	version real-time software c:\windows\desktop\My Documents data or instruction Debugging 10 percent Process Control Block
34 35 36 37 38 39 40 41	If youa file you now have more than one instance of it; if youa file, you only have one instance of it. Each copy of the file is referred to as a differentof the file. Software that measures, monitors, analyzes, and controls real-world events is called is referred to as a path using the proper syntax. Symbolic names can be associated with Correcting errors in a program is referred to as The Recycle Bin is configured automatically to be able to store files equal toof the size of your hard disk. PCB =keeps track of the computers around you in a networked environment.	attribute system software c;windows/desktop Information Debugging 1 percent Program Control Block My Computers	element real-time software c:> data or instruction bugging 5 percent Process Control Block FTP	version scientific software c:\windows\desktop\My Documents operand Rectifying 10 percent Process Communication Block Add Network Place	facet business software c:winnt/system32 mnemonic operation modifying 15 percent Program Communication Block My Network Places	version real-time software c:\windows\desktop\My Documents data or instruction Debugging 10 percent Process Control Block My Network Places
$ \begin{array}{r} 34 \\ 35 \\ 36 \\ \overline{)} \\ 37 \\ 38 \\ 39 \\ 40 \\ 41 \\ 42 \\ 12 \\ $	If youa file you now have more than one instance of it; if youa file, you only have one instance of it. Each copy of the file is referred to as a differentof the file. Software that measures, monitors, analyzes, and controls real-world events is called is referred to as a path using the proper syntax. Symbolic names can be associated with Correcting errors in a program is referred to as The Recycle Bin is configured automatically to be able to store files equal toof the size of your hard disk. PCB =keeps track of the computers around you in a networked environment. If you right click on a file or folder, one of the context menu options is	attribute system software c;windows/desktop Information Debugging 1 percent Program Control Block My Computers remote Linkerse block	element real-time software c:> data or instruction bugging 5 percent Process Control Block FTP send to	version scientific software c:\windows\desktop\My Documents operand Rectifying 10 percent Process Communication Block Add Network Place copy to	facet business software c:winnt/system32 mnemonic operation modifying 15 percent Program Communication Block My Network Places rename to	version real-time software c:\windows\desktop\My Documents data or instruction Debugging 10 percent Process Control Block My Network Places send to
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Introduction to Information Technology 2017-2020 Batch



KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed University Established Under Section 3 of UGC Act 1956) Coimbatore - 641021. (For the candidates admitted from 2016 onwards) DEPARTMENT OF COMMERCE (CA)

SUBJECT	: INTRODUCTION TO INFORMA	TION TECHN	OLOGY	
SEMESTER	: I			
SUBJECT CO	DDE: 17CCU102	CLASS	:	I B.COM CA

POSSIBLE QUESTIONS

PART A (1 MARK)

(Online Examiantions)

PART B(2 MARKS)

- 1. What is Bootingup?
- 2. Define OS
- 3. Name any four Operating Systems.
- 4. What is Wild card ?Give Example
- 5. Name any four Internal Commands.
- 6. Name some of the windows Accessories?
- 7. Define Cryptology
- 8. What is Virus? Give example
- 9. What are all the uses for Control Panel?
- 10. What is the use of DIR, COPY commands?
- 11. What is updating Anti-virus Program means?

PART C (6 MARKS)

- 1. Define cryptology and the characteristics of Cryptology
- 2. Explain Distributed Operating system and Parallel Operating system
- 3. Explain Booting Process in detail
- 4. Explain Control panel settings
- 5. Explain the functions of Operating system
- 6. Explain any six internal commands in detail
- 7. Explain Disk operating System
- 8. Explain Wild cards in detail
- 9. Explain the types of Operating system
- 10. Write a note on Computer Virus and steps for preventing it.



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Unit III

MS Office: Ms Word – Meaning – Word Processing – Meaning and Features of Word Processing – Advantages and Applications of Word Processing – Toolbars – Creating, Saving and Closing a document – Moving and copying text – Text and Paragraph formatting, Applying Bullets and Numbering.

UNIT-III

MS OFFICE

WORD PROCESSING:

Word processing software is used to manipulate a text document, such as a resume or a report.

> To enter text by typing and the software provides tools for copying, deleting and various types of formatting.

Word processing includes a number of tools to format your pages.

➢ For example, you can organize your text into columns, add page numbers, insert illustrations, etc.

➢ However, word processing does not give you complete control over the look and feel of your document.

> When design becomes important, you may need to use desktop publishing software to give you more control over the layout of your pages.

Word processing software typically also contains features to make it easier for you to perform repetitive tasks.

➢ For example, let's say you need to send a letter to all your customers regarding a new policy.

The letter is the same for all customers except for the name and address at the top of the letter.

> Text editors shouldn't be confused with word processing software. While they do also allow you to create, edit and save text documents, they only work on plain text.

> Text editors don't use any formatting, such as underlined text or different fonts.

> Text editors serve a very different purpose from word processing software.

> They are used to work with files in plain text format, such as source code of computer programs or configuration files of an operating system.

An example of a text editor would be Notepad on the Windows platform.

Features of Word Processing:

Some of the functions of word processing software include:

- Creating, editing, saving and printing documents.
- Copying, pasting, moving and deleting text within a document.
- Formatting text, such as font type, bolding, underlining or italicizing.
- Creating and editing tables.
- Inserting elements from other software, such as illustrations or photographs
- Correcting spelling and grammar.
- Collaborative editing, allowing multiple users to work on the same document.
- Indexing assistance.
- Automatically managed (updated) cross-references to pages or notes.
- Version control of a document, permitting reconstruction of its evolution.
- Non-printing comments and annotations.
- > There are a number of different word processing applications.
- > One of the most widely used ones is Word, which is part of Microsoft Office.
- Another widely used one is WordPerfect by the Corel Corporation.
- A third one is Writer, which is part of OpenOffice by Apache.

> While the first two are commercial software, OpenOffice is open source and can be downloaded and used free of charge.

Finally, there is Pages, which is part of iWork by Apple.

Ms Word:

Microsoft Word is a word processor developed by Microsoft. It was first released on October 25, 1983 under the name Multi-Tool Word for Xenix systems. The first version of Word for Windows was released in 1989. Word for Windows is available stand-alone or as part of the Microsoft Office suite. Word contains rudimentary desktop publishing capabilities and is the most widely used word processing program on the market. Word files are commonly used as the format for sending text documents via e- mail because almost every user with a computer can read a Word document by using the Word application, a Word viewer or a word processor that imports the Word format.

Working in the Word Environment:

As with all programs in the 2007 Microsoft Office release, the most common way to start Word is from the Start menu displayed when you click the Start button at the left end of the Microsoft Windows taskbar.

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If Word is the first program in the 2007 Office system that you have used, you are in for a surprise! The look of the program window has changed radically from previous versions. The new Word environment is designed to more closely reflect the way people generally work with the program. When you first start Word, this environment consists of the following elements:

> Commands related to managing Word and Word documents as a whole (rather than document content) are gathered together on a menu that is displayed when you click the Microsoft Office Button.

Commands can be represented as buttons on the Quick Access Toolbar to the right of the Microsoft Office Button. By default, this toolbar displays the Save, Undo, and Repeat buttons, but you can customize the toolbar to include any command that you use frequently.

> The title bar displays the name of the active document. At the right end of the title bar are the three familiar buttons that have the same function in all Windows programs. You can temporarily hide the Word window by clicking the Minimize button, adjust the size of the window with the Restore Down/Maximize button, and close the active document or quit Word with the Close button.

> Below the title bar is the Ribbon, which makes all the capabilities of Word available in a single area so that you can work efficiently with the program.

Commands related to working with document content are represented as buttons on the tabs that make up the Ribbon. The Home tab is active by default. Clicking one of the other tabs, such as Insert, displays that tab's buttons. If Microsoft Outlook with Business Contact Manager is installed on your computer, you will have a Business Tools tab in addition to those shown in our graphics.

> On each tab, buttons are organized into groups. Depending on the size of the program window, in some groups the button you are likely to use most often is bigger than the rest.

Depending on your screen resolution and the size of the program window, a tab might not have enough room to display all of its groups. In that case, the name

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of the group resembles a button, and clicking the button displays the group's commands.

➢ Related but less common commands are not represented as buttons in the group. Instead they are available in a dialog box, which you can display by clicking the Dialog Box Launcher at the right end of the group's title bar.

Some button names are displayed and some aren't. Pausing the mouse pointer over any button for a few seconds (called hovering) displays a ScreenTip with not only the button's name but also its function.

Some buttons have arrows, but not all arrows are alike. If you point to a button and both the button and its arrow are in the same box and are the same color, clicking the button will display options for refining the action of the button. If you point to a button and the button is in one box and its arrow is in a different box with a different shade, clicking the

> button will carry out that action with the button's current settings. If you want to change those settings, you need to click the arrow to see the available options.

> The Microsoft Office Word Help button appears at the right end of the Ribbon.

> You create a document in the document window. When more than one document is open, each document has its own window.

Across the bottom of the program window, the status bar gives you information about the current document. You can turn off the display of an item of information by right-clicking the status bar and then clicking that item.



> At the right end of the status bar is the View toolbar, which provides tools for adjusting the view of document content.

Now you will start Word and explore the Microsoft Office Button and the tabs and groups on the Ribbon. Along the way, you will see how to take advantage of galleries and live preview. There are no practice files for this tutorial. Be sure to start your computer, but don't start Word yet.

1. On the taskbar, click the Start button, click All Programs, click Microsoft Office, and then click Microsoft Office Word 2007.

The Word program window opens, displaying a blank document.

2. Click the Microsoft Office Button.

Commands related to managing documents (such as creating, saving, and printing) are available from the menu that opens. This Office menu, takes the place of the
File menu that appeared in previous versions of Word.

The commands on the left are for tasks related to the document as a whole. After you have worked with a document, its name appears in the Recent Documents list so that you can quickly open it again. At the bottom of the menu are buttons for changing program options and for quitting Word.

3. Press the Escape key to close the menu.

On the Ribbon, the Home tab is active. Buttons related to working with document content are organized on this tab in five groups: Clipboard, Font, Paragraph, Styles, and Editing. Only the buttons representing commands that can be performed on the currently selected document element are active.

4. However the mouse pointer over the active buttons on this tab to display the ScreenTips that name them and describe their functions.

Depending on your screen resolution and the size of the program window, you might see more or fewer buttons in each of the groups, or the buttons you see might be represented by larger or smaller icons. Experiment with the size of the program window to understand the effect on the appearance of the tabs.

5. Click the Insert tab, and then explore its buttons.

Buttons related to all the items you can insert are organized on this tab in seven groups: Pages, Tables, Illustrations, Links, Header and Footer, Text, and Symbols.

6. Click the Page Layout tab, and then explore its buttons.

Buttons related to the appearance of your document are organized on this tab in five groups: Themes, Page Setup, Page Background, Paragraph, and Arrange.

Creating, Opening, Saving and Closing a Document:

To create a Word document, you simply open a new blank document and type your content. The blinking insertion point shows where the next character you type will appear. When the insertion point reaches the right margin, the word you are typing moves to the next line. Because of this word wrap feature, which is common in word-processing and desktop-publishing programs, you press Enter only to start a new paragraph, not a new line.

Each document you create is temporary unless you save it as a file with a unique name or location. To save a document for the first time, you click the Save button on the Quick Access Toolbar or click the Microsoft Office Button and then click Save. Either action displays the Save As dialog box, where you can assign the name and storage location.

If you want to save the document in a folder other than the one shown in the Address bar, you can click the chevrons to the left of the current folder name and then navigate to the folder you want. You can also click Browse Folders to display the Navigation Pane and a toolbar. If you want to create a new folder in which to store the file, you can click the New Folder button on this toolbar.

After you save a document the first time, you can save changes simply by clicking the Save button. The new version of the document then overwrites the previous version. If you want to keep both the new version and the previous version, click Save As on the Office menu, and then save the new version with a different name in the same location or with the same name in a different location.

To open an existing document, you click the Microsoft Office Button and then click Open to display the Open dialog box. The first time you use this command, the dialog box displays the contents of your Documents folder. If you display the dialog box again in the same Word session, it displays the contents of whatever folder you last used. To see the contents of a different folder, you use standard Windows techniques. After you locate the file you want to work with, you can double-click it to open it.

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Clicking a file name and then clicking the Open arrow in the lower-right corner of the Open dialog box displays a list of alternative ways in which you can open the file. To look through the document without making any inadvertent changes, you can open the file as read-only, or you can open an independent copy of the file. You can open an file in a Web browser, or open an XML file with a transform. In the event of a computer crash or other similar incident, you can tell Word to open the file and attempt to repair any damage. And you can display earlier versions of the file.

To move around in an open document without changing the location of the insertion point, you can use the vertical and horizontal scroll bars in the following ways:

1. Click the scroll arrows to move the document window up or down by a line, or left or right by a few characters.

2. Click above or below the vertical scroll box to move up or down one window, or to the left or right of the horizontal scroll box to move left or right one window.

3. Drag the scroll box on the scroll bar to display the part of the document corresponding to the location of the scroll box. For example, dragging the scroll box to the middle of the scroll bar displays the middle of the document.

You can also move around in a document in ways that do move the insertion point. To place the insertion point at a particular location, you simply click there. To move the insertion point back or forward a page, you can click the Previous Page and Next Page buttons below the vertical scroll bar.

If more than one document is open, you can close it by clicking the Close button at Prepared by Mr. K. Veerasamy, Asst. Prof., Department of Computer Application, KAHE 10/33

the right end of the title bar. If only one document is open, clicking the Close button closes the document and also quits Word. If you want to close the document but leave Word open, you must click the Microsoft Office Button and then click Close.

Moving and Copying Text: Typing and inserting Text

To enter text, just start typing! The text will appear where the blinking cursor is located.

Move the cursor by using the arrow buttons on the keyboard or positioning the mouse and clicking the left button. The keyboard shortcuts listed below are also helpful when moving through the text of a document:

Move Action Keystroke

Selectina	Text
\triangleright	Move in a blank document Tab, Enter and space bar
\triangleright	End of the document CTRL+END
\triangleright	Top of the document CTRL+HOME
\triangleright	End of the line END
\succ	Beginning of the line HOME

To change any attributes of text it must be highlighted first. Select the text by positioning before or after a text and dragging the mouse over the desired text while keeping the left mouse button depressed, or hold down the **SHIFT** key on the keyboard while using the arrow buttons to highlight the text. The following table contains shortcuts for selecting a portion of the text: **Selection Technique** Whole word double-click within the word.

Whole paragraph triple-click within the paragraph Several words or lines drag the mouse over the words, or hold down **SHIFT** while using the arrow keys.

Entire document choose **Editing Select All** from the Ribbon, or press **CTRL+A** button deselect the text by clicking anywhere outside of the selection on the page or press an arrow key on the keyboard.



Inserting Additional Text

Text can be inserted in a document at any point using any of the following methods:

> **Type Text**: Put your cursor where you want to add the text and begin typing

Copy and Paste Text: Highlight the text you wish to copy and right click and click

Copy, put your cursor where you want the text in the document and right click and click

Paste. Or hold down the CTRL and the "C" key at the same time

Cut and Paste Text: Highlight the text you wish to copy and right click and click **Cut**, put your cursor where you want the text in the document and right click and click **Paste**.

Drag Text: Highlight the text you wish to move, click on it and drag it to the place where you want the text in the document.

You will notice that you can also use the Clipboard group on the **Home Tab** of the Ribbon.

Rearranging Blocks of Text

To rearrange text within a document, you can utilize the **Clipboard Group** on the **Home Tab** of the Ribbon.

Insert picture of clipboard group labeled

Move text: Cut and Paste or Drag as shown above

Copy Text: Copy and Paste as above or use the Clipboard group on the Dith an

Ribbon

Paste Text: Ctrl + V (hold down the CTRL and the "V" key at the same time) or use the Clipboard group to Paste, Paste Special, or Paste as Hyperlink



Deleting Blocks of Text

Use the **BACKSPACE** and **DELETE** keys on the keyboard to delete text. Backspace will delete text to the left of the cursor and Delete will erase text to the right. To delete a large selection of text, highlight it using any of the methods outlined above and press the **DELETE** key.

Search and Replace Text

To find a particular word or phrase in a document:

Click Find on the Editing Group on the Ribbon; Or hold down the CTRL and the "F" key at the same time

> To find and replace a word or phrase in the document, click **Replace** on

the Editing Group of Ribbon.



Undo Changes

 \triangleright

To undo changes:



Click the **Undo Button** on the Quick Access Toolbar.

There are many features to help you proofread your document. These include: Spelling and Grammar, Thesaurus, AutoCorrect, Default Dictionary, and Word Count.

FIND AND REPLACE TEXT:

Word's *Find and Replace* function will search your documents for specific text, which can then be highlighted, replaced with different text or formatting, or left asis. This function provides many advanced options to help make your search as specific as necessary to find what you are looking for.

- Finding Text
- Replacing Text

Finding Text

Word allows you to find specific text in a variety of ways. You may choose to view each occurrence of the text individually, see all occurrences selected at once, or highlight all occurrences even after the *Find and Replace* dialog box is closed.

Accessing the Find and Replace Dialog Box

To find text, you must first access the Find and Replace dialog box.

1. Windows: From the *Home* command tab, in the *Editing* group, click **FIND**nd ***** or Press [**Ctrl**] + [**F**]

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More >>		Reading Highlight 🔹 Find in 💌 Find Next	Cancel

The Find and Replace dialog box appears, with the Find tab displayed.

Finding Individual Occurrences

- 1. Access the Find and Replace dialog box
- 2. In the *Find what* text box, type the text you want to search for
- 3. To set <u>advanced options</u>

Windows: Click MORE >>

Select the desired options

4. Click **FIND NEXT**

the first occurrence of the text is highlighted. NOTES:

The appearance of your document may change as it moves to display the highlighted item.

The text that is highlighted will be the first occurrence in the document after the location of your insertion point. (i.e., if your insertion point was placed in the middle of the document, this may not be the first occurrence in the document as a whole.)

5. To find more occurrences of the text, repeat step 4

NOTE: When Word has shown you every occurrence of the text, a dialog box will appear with the message "Word has finished searching the document."

6. Click **OK**

7. When finished, to close the *Find and Replace* dialog box, click **CLOSE or** Click

CANCEL

Finding All Occurrences

This option will highlight all occurrences of your text until the *Find and Replace* dialog box is closed.

- 1. <u>Access the Find and Replace dialog box</u>
- 2. In the *Find what* text box, type the text you want to search for
- 3. To set <u>advanced options</u>

Windows: Click MORE >>

Select the desired options

- 4. Windows: Click **FIND IN** » select **Main Document**
- 5. Click **FIND ALL** All occurrences of the text are highlighted.

6. To close the *Find and Replace* dialog box, click **CLOSE or** Click **CANCEL**

Highlighting All Occurrences

This option will highlight all occurrences of your text until you choose to clear the highlighting. NOTE: This option is for Windows only.

To highlight all occurrences:

- Access the Find and Replace dialog box
 In the *Find what* text box, type the text you want to search for
 To set <u>advanced options</u>
 Click **MORE >>**
- b. Select the desired options

4. Click **READING HIGHLIGHT** » select *Highlight All*

All occurrences of the text are highlighted in yellow.

5. To close the *Find and Replace* dialog box, click **CLOSE or** Click **CANCEL**

To clear all highlighting:

1. <u>Access the Find and Replace dialog box</u>

2. Click **READING HIGHLIGHT** » select **Clear Highlighting**

All highlighted text returns to normal.

3. To close the *Find and Replace* dialog box, click **CLOSE or** Click **CANCEL**

Replacing Text

Word allows you to choose how to replace text in your document. You may choose to replace all occurrences of a particular word or phrase or look at each occurrence

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before deciding which to replace.

Accessing the Find and Replace Dialog Box

1. Windows: From the Home command tab, in the Editing group, click REPLACE or

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Find what: Physics 101		-
Replace with: Chemistry 110		-
More >>	Replace Replace <u>All</u> Eind Next	Cancel

The Find and Replace dialog box appears, with the Replace tab displayed.

Replacing Individual Occurrences

- 1. <u>Access the Find and Replace dialog box</u>
- 2. In the *Find what* text box, type the text you want to be replaced
- 3. In the *Replace with* text box, type the text that you want to insert
- 4. To set <u>advanced options</u>

Windows: Click MORE >>

Select the desired options

5. To find the first occurrence of your text, click **FIND NEXT**

The first occurrence of the text is highlighted. NOTES:

The appearance of your document may change as it moves to display the highlighted item.

The highlighted text will be the first occurrence in the document after the location of your insertion point (i.e., if your insertion point was placed in the middle of the document, this may not be the first occurrence in the document as a whole). **6.** To replace the selected text, click **REPLACE**

To leave this instance as-is and proceed to the next item, click **FIND NEXT** The next occurrence is highlighted.

7. Click **OK**

8. Repeat step 6 until you have replaced all desired occurrences

NOTE: When Word has shown you every occurrence of the text, a dialog box will appear with the message "Word has finished searching the document."

9. To close the *Find and Replace* dialog box, click **CLOSE or** Click **CANCEL**

Replacing All Occurrences

This option will replace every occurrence of your text without showing you where the text was replaced.

WARNING: Use this option with care, as it may change the meaning of your document if text is replaced where it should not be.

- 1. <u>Access the Find and Replace dialog box</u>
- 2. In the *Find what* text box, type the text you want replaced
- 3. In the *Replace with* text box, type the text that you want to insert
- 4. To set <u>advanced options</u>

Windows: Click MORE >>

Select the desired options

5. Click **REPLACE ALL**

A dialog box appears, informing you of how many instances of the text were replaced.

6. Click **OK**

7. To close the *Find and Replace* dialog box, click **CLOSE or** Click **CANCEL**

Text and Paragraph Formatting:

Text formatting:

Styles

A style is a format enhancing tool that includes font typefaces, font size, effects (bold, italics,

underline, etc.), colors and more. You will notice that on the Home Tab of the Ribbon, that you have several areas that will control the style of your document: Font, Paragraph, and Styles.

Home Inset Page Layout References Mailings Rester View Developer

Change Font Typeface and Size

To change the font typeface:

Font

Click the arrow next to the font name and choose a font.
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Remember that you can preview how the new font will look by highlighting the text, and hovering over the new font typeface.



To change the font size:

- Click the **arrow** next to the font size and choose the appropriate size, or
- Click the **increase** or **decrease** font size buttons.



Font Styles and Effects

Font styles are predefined formatting options that are used to emphasize text. They include: Bold, Italic, and Underline. To add these to text:

• Select the text and click the **Font Styles** included on the Font Group on the **Home Tab** of the Ribbon, or

• Select the text and right click to display the font tools



Change Text Color

To change the text color:

• Select the text and click the **Colors** button included on the Font Group on the **Home Tab** of the Ribbon, or highlight the text and right click and choose the colors tool.

• Select the color by clicking the down arrow next to the font color button.

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Highlight Text

Highlighting text allows you to use emphasize text as you would if you had a marker. To highlight text:

• Select the text

• Click the **Highlight Button** on the Font Group on the **Home Tab** of the Ribbon, or

• Select the text and right click and select the highlight tool

• To change the color of the highlighter click on down arrow next to the highlight button, Then choose the suitable one.

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Copy Formatting

If you have already formatted text the way you want it and would like another portion of the

document to have the same formatting, you can copy the formatting. To copy the formatting,

do the following:

- Select the text with the formatting you want to copy.
- Copy the format of the text selected by clicking the **Format Painter** button on the clipboard Group of the Home Tab
- Apply the copied format by selecting the text and clicking on it.

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Clear Formatting

To clear text formatting:

- Select the text you wish to clear the formatting
- Click the **Styles** dialogue box on the Styles Group on the Home Tab
- Click **Clear All**



• Formatting paragraphs allows you to change the look of the overall document. You can access many of the tools of paragraph formatting by clicking the **Page Layout** Tab of the ribbon or the **Paragraph** Group on the Home Tab of the Ribbon.

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Formatting Paragraphs:

Change Paragraph Alignment

The paragraph alignment allows you to set how you want text to appear. To change the alignment:

- Click the **Home Tab**
- Choose the appropriate button for alignment on the Paragraph Group.
- **Align Left**: the text is aligned with your left margin
- **Center**: The text is centered within your margins
- **Align Right**: Aligns text with the right margin
- **Justify**: Aligns text to both the left and right margins.



Indent Paragraphs

Indenting paragraphs allows you set text within a paragraph at different margins. There are several options for indenting:

- **First Line**: Controls the left boundary for the first line of a paragraph
- Hanging: Controls the left boundary of every line in a paragraph except

the first one

• **Left**: Controls the left boundary for every line in a paragraph

• **Right**: Controls the right boundary for every line in a paragraph To indent paragraphs, you can do the following:

- Click the **Indent** buttons to control the indent.
- Click the I**ndent** button repeated times to increase the size of the

indent.



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- Click the dialog box of the **Paragraph** Group
- Click the **Indents and Spacing** Tab and Select your indents

Page Formatting:

Modify Page Margins and Orientations

The page margins can be modified through the following steps:

- On the Page Setup Group, Click Margins
- o Click a **Default Margin**, or
- Click **Custom Margins** and complete the dialog box.

To change the Orientation, Size of the Page, or Columns:

Click the Page Layout Tab on the Ribbon

• On the Page Setup Group, Click the **Orientation**, **Size**, or

Columns drop down menus

0

0

Click the appropriate choice



Apply a Page Border and Color

To apply a page border or color:

- Click the **Page Layout** Tab on the Ribbon
- On the Page Background Group, click the **Page Colors** or **Page Borders**

drop down menus

• Select the appropriate one.



Add Borders and Shading

You can add borders and shading to paragraphs and entire pages. To create a border around a paragraph or paragraphs:

• Select the area of text where you want the border or shading.

- Click the **Borders** Button on the Paragraph Group on the Home Tab
- Choose the **Border and Shading**
- Choose the appropriate options



Applying Bullets and Numbering: Bulleted lists have bullet points, numbered lists have numbers, and outline lists combine numbers and letters depending on the organization of the list. To **add** a list to existing text:

- Select the text you wish to make a list
- From the Paragraph Group on the Home Tab, Click the **Bulleted or**

Numbered Lists



To **create** a new list:

- Place your cursor where you want the list in the document
- Click the **Bulleted or Numbered Lists** button
- Begin typing. BULLETED LIST: a).Adding Text to the List

Add information to a list item but do not want to create a separate list item. Using this simple keystroke will place your insertion point on the next line without a bullet appearing.

1. Place the insertion point after the last character in the list item where you want to add text

2. Press [Shift] + [Enter]

The insertion point appears under the previous list item.

- In the Spelling and Grammar dialog box, click OPTIONS...
- 3. Type the additional text

b).Customizing Bulleted Lists

Customizing your bulleted list allows you to use creative and eye-catching bullets. Word provides many different images from which to choose. The following instructions assume that a bulleted list has already been created. If you do not have a bulleted list, refer to <u>Using Bulleted Lists</u>.

1. Select the bulleted list you want to customize.

2. On the *Home* command tab, in the *Paragraph* group, dick on the BULLETS button The *Bullets* pull-down menu appears

Recently Used Bullets
∞ > •
Bullet Library
None 🗙 🔸 🔿 📕
* > <
Document Bullets
•
<u>C</u> hange List Level
Define New Bullet

- 3. Select the desired bullet option
- 4. If the desired option does not appear, select **Define New Bullet...**

The Define New Bullet dialog box appears

Define New Bul	let	? ×
Bullet character -		
<u>S</u> ymbol	<u>P</u> icture	<u>F</u> ont
Align <u>m</u> ent:		
Left	•	
Preview		
• •		
-		
	ОК	Cancel

- 5. To select a symbol for your bullet,
- a. Under Bullet character, click SYMBOL...

The Symbol dialog box appears.

- b. From the *Font* pull-down box, select the desired font
- c. In the scroll box, select the desired bullet character
- d. click OK
- 6. To select a picture for your bullet,
- a. Under Bullet character, click **PICTURE...**

The *Picture Bullet* dialog box appears.

b. In the scroll box, select the desired bullet character

c. Click OK NUMBERED LIST: a)Adding Text to the List

Perhaps you want to add information to a step but do not want to create a separate list item. Using this simple keystroke will place your insertion point on the next line without a number appearing.

1. Place the insertion point after the last character in the step where you want to add text

2. Press [Shift] + [Enter]

Your insertion point appears under the previous list item.

- In the Spelling and Grammar dialog box, click OPTIONS...
- 3. Type the additional text

<u>b)</u> <u>Customizing Numbered Lists</u>

Customizing your numbered list allows you to have a wider variety of styles for numbers. Word provides several different ways of customizing your numbers in order to create an effective numbered list. The following instructions assume that a numbered list has already been created. If you do not have a numbered list, refer to <u>Using Numbered Lists</u>.

••

1. Select the numbered list you want to customize

2. On the *Home* command tab, in the *Paragraph* group, click on the NUMBERING button The *Numbered List* pull-down menu appears.

Recently Use	d Number Format	ts
1. 2. 3.		
Numbering L	ibrary	
None	1 2 3	1) 2) 3)

3. Select the desired numbering option

4. If the desired option does not appear, select Define NewNumber Format.

				_			
The	Define	New	Numher	Format	dialog	hox	annears
1110	Dejtite	11000	110000	1 Onneet	alalog	002	uppeuro.

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Define New Number Format	? ×
Number format	
<u>N</u> umber style:	
1, 2, 3, 💌	<u>F</u> ont
Number f <u>o</u> rmat:	
1.	
Align <u>m</u> ent:	
Left 🔻	
Preview	
1	-
2	
2.	
3	-
OK	Capital

5. To change the number style, from the *Number style* pull-down list, select the desired option

6. To change the number format, in the *Number format* text box, make the desired changes EXAMPLE: Instead of following numerals with a period (1.), you may want to follow them with a dash (1-).

7. To change the numbering alignment, from the *Alignment* pull-down list, select *Left, <u>Right or Centered</u>*

Left-aligned	Centered	Right-aligned
8. Eight	8. Eight	8. Eight
9. Nine	9. Nine	9. Nine
10. Ten	10. Ten	10. Ten
11. Eleven	11. Eleven	11. Eleven

8. To change font, style, color, or size of the numbers,

a. Click FONT...

The *Font* dialog box appears.

b. Under *Font, Font style, Font color,* or *Size,* select the appropriate options An example of your number formatting appears in the *Preview* section.

c. Click OK

Your customized number appears in the Number format text box.

9. Click **OK**

c) Changing the Starting Number

1. Select the numbered list

2. On the *Home* command tab, in the *Paragraph* group, click on the

NUMBERING button The Numbered List pull-down menu appears.

3. Select Set Numbering Value...

The Set Numbering Value dialog box appears.

Set Numbering Value 🛛 ? 🗙
⊙ <u>S</u> tart new list
O <u>⊂</u> ontinue from previous list
Advance value (skip numbers)
Set value to: Preview: 1.
OK Cancel

4. In the *Set value to* scroll box, type or use the nudge buttons to select the number to start the numbered list

5. Click **OK**.



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SUBJECT:: INTRODUCTION TO INFORMATION TECHNOLOGYSEMESTER : ISUBJECT CODE: 17CCU102CLASS: I B.COM CA

LASS : I B.COM C UNIT III

S NO		ΟΡΤΙΟΝ 1	OPTION 2	OPTION 3	OPTION 4	ANSWED	
5.110			UP IION 2				
	From which menu you can insert Header and Footer?	Insert Menu	view Menu	Format menu	Tools Menu	Insert Menu	
2	To get to the 'Symbol' dialog box, click on the menu and choose 'Symbol'.	Insert	Format	Tools	Table	Insert	
3	option from clipboard is used to move data from one place to another in a document.	Copy & Paste	Cut & Paste	Bold	Justify	Cut & Paste	
4	is an option in Font Group.	Strikethrough	Find	Replace	Change Styles	Strikethrough	
5	Name the button in the picture?	Font Color	Fill Color	Page Color	Highlighter tool	Highlighter tool	
6	Shortcut for document views toolbar is situated in bar.	Task bar	Status bar	Tool bar	Title bar	Status bar	
7	Bullets and Numbering is in ta	Home tab	Insert tab	Pagelayout tab	View tab	Home tab	
8	To open a existing document click on the and then select Open	MS Office button	Ouick Access Toolbar	Document Views	Ribbon	MS Office button	
	Cut Conv and Paste is in Group in the Home to	Font	Page Setup	Clipboard	Editing	Clipboard	
10	is used to severt from upper sees to lower ones and vice vers	Tont Tagala ango	L'age Setup	Lawar ango	Lunner ange		
	is used to covert from upper case to lower case and vice vers	Toggle case	Sentence case	Lower case	Opper case	l oggie case	
	Pressing F8 key for three times selects	A word	A sentence	A paragraph	Entire document	A sentence	
12	What is the shortcut key you can press to create a copyright symbol?	Alt+Ctrl+C	Alt + C	Ctrl + C	Ctrl + Shift + C	Alt+Ctrl+C	
13	What is the smallest and largest font size available in Font Size tool on formatting toolbar?	8 and 72	8 and 64	12 and 72	None of above	8 and 72	
14	Which of the following is graphics solution for Word Processors?	Clipart	WordArt	Drop Cap	All of above	Clipart	
15	The keystrokes Ctrl + I is used to	Increase font size	Inserts a line break	Indicate the text should be b	Applies italic format to select	Applies italic format to select	ted text
16	A character that is raised and smaller above the baseline is known as	Outlined	Raised	Superscript	Subscript	Superscript	
17	Thesaurus tool in MS Word is used for	Spelling suggestions	Grammar options	Synonyms and Antonyms w	All of above	Synonyms and Antonyms wo	rds
19	Why Drop Caps are used in document?	To drop all the capital	To automatically begin each	To begin a paragraph with a	None of above	To begin a naragranh with a	large dronned initial canital letter
10	A hashmark is an item on leastion in decument that you identify as a name for fature reference. Which of the following task is account	To add an ab and in wal	To automatically begin each	To begin a paragraph with a	To add hyperlinks in wahres	To begin a paragraph with a	large dropped initial capital letter
19	A bookmark is an item of location in document that you identify as a name for future reference. Which of the following task is accomplete the set of the following task is accomplete the set of the following task is accomplete to the set of the following task is accomplete to the set of	To add anchors in wet	10 mark the ending of a para	16 quickly jump to specific	To add hyperlinks in webpag	To quickly jump to specific lo	ocation in document
20	Which of the following is not valid version of MS Office?	Office XP	Office Vista	Office 2007	None of above	Office Vista	
21	You cannot close MS Word application by	Choosing File menu th	Press Alt+F4	Click X button on title bar	From File menu choose Close	From File menu choose Close	e submenu
22	The key F12 opens a	Save As dialog box	Open dialog box	Save dialog box	Close dialog box	Save As dialog box	
23	What is the short cut key to open the Open dialog box?	F12	Shift F12	Alt + F12	Ctrl + F12	Ctrl + F12	
24	A feature of MS Word that saves the document automatically after certain interval is available on	Save tab on Options d	Save As dialog box	Both of above	None of above	Save tab on Options dialog b	ox
25	Which of the following is not available on the Ruler of MS Word screen?	Tab stop box	Left Indent	Right Indent	Center Indent	Center Indent	
26	Which file starts MS Word?	Winworeve	Woraya	Msworaya	Word2003 ave	Winworovo	
20	Which the statis WiS word?		Versions	Treals Change	All of obours	Willworexe	
27	If you want to keep track of different editions of a document which features will you use?	Editions	Versions	Track Change	All of above	Versions	
28	Background color or effects applied on a document is not visible in	Web layout view	Print Layout view	Reading View	Print Preview	Print Preview	
29	What is a portion of a document in which you set certain page formatting options?	Page	Document	Section	Page Setup	Section	
30	Which of the following is not a type of page margin?	Left	Right	Center	Тор	Center	
31	What is the default left margin in Word 2003 document?	1"	1.25"	1.5"	2"	1.5"	
32	Portrait and Landscape are	Page Orientation	Paper Size	Page Lavout	All of above	Page Orientation	
33	If you need to change the typeface of a document, which menu will you choose?	Edit	View	Format	Tools	Format	
34	Which of the following is not a font style?	Bold	Italics	Regular	Superscript	Superscript	
25	What happens when you aligh on Incert >> Dicture >> Clip Art	It incorte a alignert giat	It late you choose aligert to i	It opong Clip Art toglybor	Nona of above	It on one Clin Art toolhor	
33	what happens when you click on insert >> Picture >> Clip Art	Ti inserts a ciipart picu	It lets you choose clipart to I	It opens Chp Art taskbar	None of above	It opens Clip Art taskbar	
36	Which option is not available in Insert Table Autofit behavior?	Fixed Column Width	AutoFit to Contents	Autofit to Window	Autofit to Column	Autofit to Column	
37	To autofit the width of column	Double click the right	Double click the left border	Double click the column he	All of above	Double click the right border	[•] of column
38	Which of the following statement is false?	You can set different h	You can set different page n	You can set different heade	You can set different header	You can set different header	and footer for last page of a section
39	Where can you change the vertical alignment?	Formatting toolbar	Paragraph dialog box	Page Setup dialog box	Standard toolbar	Page Setup dialog box	
40	AutoCorrect was originally designed to replace words as you type.	Short, repetitive	Grammatically incorrect	Misspelled	None of the above	Misspelled	
41	In Word, the mailing list is known as the	Data sheet	Source	Data source	Sheet	Data source	
47	Which of the following is not available on the Ruler of MS Word screen?	Tab stop box	Left Indent	Right Indent	Center Indent	Center Indent	
12	What is place to the left of horizontal scroll bar?	Tab stop box	View buttons	Split buttons	Indicators	View buttons	
4.3	Which file starts MS Word?		Waraya	Mawarawa	Wand2002 ava		
44		w mworexe		wiswoiexe	woru2005.exe	vvinworexe	
45	How many ways you can save a document?	5	4	3	0	3	
46	If you want to keep track of different editions of a document which features will you use?	Editions	Versions	Track Change	All of above	Versions	
47	Background color or effects applied on a document is not visible in	Web layout view	Print Layout view	Reading View	Print Preview	Print Preview	
48	What is a portion of a document in which you set certain page formatting options?	Page	Document	Section	Page Setup	Section	
49	In which view the header and footer are visible	Normal view	Page Layout View	Print layout	draft view	Print layout	
50	Which of the following is not a type of page margin?	Left	Right	Center	Top	Center	
51	What is gutter margin?	Margin that is added to	Margin that is added to right	Margin that is added to the	Margin that is added to the or	Margin that is added to the hin	ding side of page when printing
57	Portroit and Landsonna are	Page Orientation	Papar Siza	Page L avout	All of above	Page Orientation	ung side of page when printing
52		Page Orientation	Paper Size	Page Layout			
53	If you need to change the typeface of a document, which menu will you choose?	Edit	View	Format	Tools	Format	
54	Which of the following is not a font style?	Bold	Italics	Regular	Superscript	Superscript	
55	The process of removing unwanted part of an image is called	Hiding	Bordering	Cropping	Cutting	Cropping	
56	Text-Styling feature of MS word is	WordColor	WordFont	WordArt	WordFill	WordArt	
57	To apply center allignment to a paragraph we can press	Cntrl+S	Cntrl+C+A	Cntrl+E	Cntrl+c	Cntrl+E	
58	Which items are placed at the end of a Document	Footer	Foot Note	Header	End note	End note	
50	Which feature starts a new line whenever a word or sentence reached a border	Text Line	New Line	Text Wranning	Text Align	Text Wrapping	
60	C large 1 Dettermines 1 to C11 and a large in celled	Fill style	WordArt	Fill Dook	Shana		
	I Oldr and Pattern liged to till a closed change is called		I W UIU/AIL	I'III DAUK	Shape	riii style	
1	Color and Pattern used to fill a closed snape is called	1 III Style					
	Color and Pattern used to fill a closed snape is called	Thi style					
	Color and Pattern used to fill a closed snape is called						

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SEMESTER	:I			
SUBJECT CO	DE: 17CCU102	CLASS	:	I B.COM CA

POSSIBLE QUESTIONS

PART A(1 MARK)

(Online Examinations)

PART B (2 MARKS)

- 1. List out the packages in MS Office.
- 2. Write down the shortcut keys for CUT, COPY, and PASTE?
- 3. Name some of the Font styles used in Word
- 4. What is a Clip Art
- 5. What is Mail-Merge?
- 6. What is Thesaurus?
- 7. What is word Art?
- 8. How can you insert footer into your presentation?
- 9. How can you apply automatic slide number into your presentation?
- 10. What does Drag and Drop means

PART C (6 MARKS)

- 1. What is word processing? Explain the advantages of the word processing
- 2. Explain the home menu in detail
- 3. Explain the application of word processing
- 4. Write a note on paragraph formatting
- 5. Describe Toolbars in MS word in detail

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- 6. Write down the steps for the following
 - creating a document
 - writing
 - Underline ,Bold, Italics
 - copying and moving a text
- 7. Explain the features of word processing
- 8. Explain office button in detail
- 9. Explain Mailing using Word in Detail
- 10. Explain insert option in detail



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Unit IV

Ms Excel: Meaning – Features of MS Excel – Insertion and Deletion of Worksheet – Entering and editing data in worksheet – Cell range – Formatting – Auto Fill – Formulas and its disadvantages.

MS Power Point: Meaning – Slides – Creation of Slides – Slide Sorter, Slide Show, Slide Number, Slide Design, Slide Layout, Slide Show – View Show Set up Show, Custom Animation, Slide Transition.

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UNIT-IV

MS EXCEL:

Microsoft Excel is a spreadsheet program included in the Microsoft Office suite of applications. Spreadsheets present tables of values arranged in rows and columns that can be manipulated mathematically using both basic and complex arithmetic operations and functions.

In addition to its standard spreadsheet features, Excel also offers programming support via Microsoft's Visual Basic for Applications (VBA), the ability to access data from external sources via Microsoft's Dynamic Data Exchange (DDE), and extensive graphing and charting capabilities.

Microsoft Excel Release History: Microsoft Excel was first released for Macintosh systems in 1985, followed by the first Windows version in 1987. The following is a list of Excel releases for Windows:

Excel (1987 2.0) Excel (1990 3.0) Excel (1992 - Included in Microsoft 4.0 Office 3.0) Excel (1993 - Included in Microsoft 5.0 Office 4.0) Excel (1995 - Included in Microsoft 95) Office 95

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Excel (1997 - Included in Microsoft 97) Office 97 Excel 2000 (2000) - Included in Microsoft Office 2000 Excel 2002 (2002) - Included in Microsoft Office XP Excel 2003 (2003) -Included in Microsoft Office 2003 Excel 2007 (2007) - Included in Microsoft Office 2007 Excel 2010 (2010) - Included in Microsoft Office 2010 Excel 2013 (2013) - Included in Microsoft Office 2013

FEATURES OF Ms EXCEL:

- 1. Excel Formulas.
- 2. VBA, Macros & automation
- 3. Pivot tables
- 4. Look up formulas
- 5. Excel Charts.
- 6. Sorting, and filtering data.
- 7. Conditional Formatting
- 8. Drop down validation & form controls
- 9. PowerPivot, Data Explorer & Data Analysis features

Insertion and deletion of worksheet: Excel gives you three worksheets in a workbook, but you can add more worksheets (and other types of sheets, such as a chart sheet, macro sheet, or dialog sheet), rename them, or delete them as needed.

The name (or title) of a worksheet appears on its sheet tab at the bottom of the screen. By default, the name is Sheet1, Sheet2, and so on, but you can give any worksheet a more appropriate name.

To insert a new worksheet, do one of the following:

□ Click the **New sheet** button at the bottom of the screen.

41					
42					
	4	×.	Sheet1	Sheet2	\odot

□ To insert a new worksheet in front of an existing worksheet, select the existing worksheet and then, click **Home** > **Insert** > **Insert Sheet**.



Ms-Excel 2017-2020 Batch

To change the order of the worksheets in a workbook, click the tab of the worksheet that you want to move, and then drag it to the location that we want.

Rename of a worksheet:

 On the Sheet tab bar, right-click the sheet tab that you want to rename, and then click

Rename.

			Insert Delete	
		57	Move or Copy View Code Protect Sheet Tab Color	
			Hide Unhide	-
Sheet1	Sheet2	1	Select All Sheets	

2. Select the current name, and then type the new name.

Delete one or more worksheets:

- 1. Select the worksheet or worksheets that you want to delete.
- 2. Click **Home**, click the arrow below **Delete**, and then click **Delete Sheet**.


We can also right-click the sheet tab of a worksheet or a sheet tab of any selected worksheets that we want to delete, and then click **Delete Sheet**.

Entering and Editing data in a worksheet:

To enter a data in worksheet:

- 1. Click a cell, and then type data in that cell.
- 2. Press ENTER or TAB to move to the next cell

Cell data - Things that can be entered into a cell:

- numbers
- words
- equations, formulas or functions
- fill color
- images (although they are actually on top of a cell, not in it)

Adjust settings:

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 To wrap text in a cell, select the cells that you want to format, and then on the Home tab, in the Alignment group, click Wrap Text.



2. To adjust column width and row height to automatically fit the contents of a cell, select the columns or rows that you want to change, and then on the **Home** tab, in the **Cells** group, click **Format**.



Under Cell Size, click AutoFit Column Width or AutoFit Row Height. Format the data :

 To apply number formatting, click the cell that contains the numbers that you want to format, and then on the **Home** tab, in the **Number** group, click the arrow next to **General**, and then click the format that you want.

Gei	neral		C
\$	- %	,	•.0 .0 •.0
	Num	ber	i

2. To change the font, select the cells that contain the data that you want to format, and then on the **Home** tab, in the **Font** group, click the format that you want.

Cali	bri			*	11	*	A	A
B	I	U	•		•	3	• 4	<u>+</u> -
			Fo	nt				5

Review cursor styles - There are four common cursor styles used in Excel. Become familiar with each style.

¢	Click and drag to highlight multiple cells with this cursor, or click in a cell to select the single cell		Click and drag with this cursor to fill cell contents into cells below or to the right.
k	Click and drag the contents of the selected cell to any other cell.	Formula Bar	Click to place the cursor into the Formula bar so that you can edit an equation or function.

CELL RANGE IN MS EXCEL:

A range is a group or block of cells in a worksheet that has been selected or highlighted. When cells have been selected they are surrounded by an outline or border as shown in the image to the left.

A range can also be a group or block of cell references that can be, for example,

- entered as an argument for a function;
- used to create a graph;
- used to create bookmarks to specific data in a workbook.

By default, this outline or border surrounds only one cell in a worksheet at a time, which is known as the active cell.

Changes to a worksheet - such as data editing or formatting, by default, affect the active cell. When a range of more than one cell is selected, changes to the worksheet - with certain exceptions such as data entry and editing - affect all cells in the selected range.

Contiguous and Non-contiguous Ranges

A *contiguous* range of cells is a group of highlighted cells that are adjacent to each other - such as the range C1 to C5 shown in the image above.

A non-contiguous range consist of two or more separate blocks of cells. These blocks can be separated by rows or columns as shown by the ranges A1 to A5 and C1 to C5. Both contiguous and non-contiguous ranges can include hundreds or even thousands of cells and span worksheets and workbooks.

Naming a Range: Ranges are so important in Excel and Google Spreadsheets that names can be given to specific ranges to make them easier to work with and reuse when referencing them in such things as charts and formulas.

Selecting a Range in a Worksheet: There a number of ways to select a range in a worksheet. These include using:

- the mouse;
- the keyboard;
- the Name Box in Excel;
- or a combination of the three.

A range consisting of adjacent cells can be created by dragging with the mouse or by using a combination of the *Shift* and four *Arrow* keys on the keyboard.Ranges consisting of non- adjacent cells can be created by using the mouse and keyboard or just the keyboard.

Selecting a Range for Use in a Formula or Chart:

When entering a range of cell references as an argument for a function or when creating a chart, in addition to typing in the range manually, the range can also be selected using pointing.

Ranges are identified by the cell references or addresses of the cells in the

upper left and lower right corners of the range. These two references are separated by a colon (:) which tells Excel to include all the cells between these start and end points.

AUTO -FILL IN MS EXCEL:

Instead of entering data manually on a worksheet, you can use the Auto Fill feature to fill cells with data that follows a pattern or that is based on data in other cells.

Automatically repeat values that already exist in the column:

If the first few characters that you type in a cell match an existing entry in that column, Excel automatically enters the remaining characters for you. Excel automatically completes only those entries that contain text or a combination of text and numbers. Entries that contain only numbers, dates, or times are not automatically completed.

After Excel completes what you started typing, do one of the following:

• To accept a proposed entry, press Enter.

The completed entry exactly matches the pattern of uppercase and lowercase letters of the existing entry.

- To replace the automatically entered characters, continue typing.
- To delete the automatically entered characters, press Backspace.
- Excel completes an entry only when the cursor is at the end of the current cell contents.

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• Excel bases the list of potential AutoComplete entries on the column that contains the active cell. Entries that are repeated within a row are not automatically completed.

Turn automatic completion of cell values on or off:

If you don't want Excel to automatically complete cell values, you can turn off this feature.

- 1. Click the **File** tab, and then click **Options**.
- Click Advanced, and then under Editing options, select or clear the Enable AutoComplete for cell values check box to turn automatic completion of cell values on or off.

Fill data into adjacent cells by using the fill handle:

To quickly fill in several types of data series, you can select cells and drag the fill handle . To use the fill handle, you select the cells that you want to use as a basis for filling additional cells, and then drag the fill handle across or down the cells that you want to fill.

By default, the fill handle is displayed, but you can hide it, or show it if it's hidden.

After you drag the fill handle, the **Auto Fill Options** button is displayed. If you don't want to display the **Auto Fill Options** button every time that you drag the fill handle, you can turn it off. Likewise, if the **Auto Fill Options** button does

not appear when you drag the fill handle, you might want to turn it on.

Show or hide the fill handle:

- 1. Click the **File** tab, and then click **Options**.
- Click Advanced, and then under Editing options, select or clear the Enable fill handle and cell drag-and-drop check box to show or hide the fill handle.
- 3. To avoid replacing existing data when you drag the fill handle, make sure that the Alert before overwriting cells check box is selected. If you don't want to see a message about overwriting nonblank cells, you can clear this check box.

Drag the fill handle to fill data into adjacent cells:

- 1. Select the cells that contain the data that you want to fill into adjacent cells.
- 2. Drag the fill handle across the cells that you want to fill.
- To change how you want to fill the selection, click Auto Fill
 Options , and then click the option that you want.

For example, you can choose to fill just cell formats by clicking **Fill Formatting Only**, or you can choose to fill just the contents of a cell by clicking **Fill Without Formatting**.

Turn Auto Fill Options on or off:

1. Click the **File** tab, and then click **Options**.

 Click Advanced, and then under Cut, copy, and paste, select or clear the Show Paste Options button when content is pasted check box to turn this option on or off.

Fill data into adjacent cells by using the Fill command:

You can use the **Fill** command to fill the active cell or a selected range with the contents of an adjacent cell or range.

- 1. Do one of the following:
 - To fill the active cell with the contents of an adjacent cell, select an empty cell that is below, to the right, above, or to the left of the cell that contains the data that you want to use to fill the empty cell.
 - To fill multiple adjacent cells, select the cell with the contents you want to fill and the adjacent cells into which you want to fill the content.
- On the Home tab, in the Editing group, click Fill, and then click Down, Right, Up, or

Left.



Keyboard shortcutTo quickly fill a cell with the contents of anadjacent cell, you can press Ctrl+D to fill from the cell above or Ctrl+R to fillfrom the cell to the left.

Fill formulas into adjacent cells:

- 1. Select the cell that contains the formula that you want to fill into adjacent cells.
- 2. Drag the fill handle across the cells that you want to fill.
- 3. To choose how you want to fill the selection, click **Auto Fill Options** , and then click the option that you want
- 4. Click the **File** tab.
- 5. Under **Excel**, click **Options**, and then click the **Formulas** category.
- 6. Under Calculation options, look under Workbook Calculation.
 - Automatic Formulas automatically recalculate.
 - Automatic except for data tables Formulas recalculate, unless the formula is in a data table.
 - Manual Formulas never recalculate automatically.
 - **Recalculate workbook before saving** This option is available only if **Workbook Calculation** is set to **Manual**. If this check box is selected, formulas do not automatically recalculate until you save the workbook. Note that several other actions can cause the workbook to be saved, such as using the **Send To** command.

Fill in a series of numbers, dates, or other built-in series items:

You can quickly fill cells in a range with a series of numbers or dates, or with a built-in series for days, weekdays, months, or years by using the fill handle or the **Fill** command.

Fill cells with a series by using the fill handle:

- 1. Select the first cell in the range that you want to fill.
- 2. Type the starting value for the series.
- 3. Type a value in the next cell to establish a pattern.

For example, if you want the series 1, 2, 3, 4, 5..., type **1** and **2** in the first two cells. If you want the series 2, 4, 6, 8..., type **2** and **4**. If you want the series 2, 2, 2, 2..., you can leave the second cell blank.

- 4. Select the cell or cells that contain the starting values.
- 5. Drag the fill handle across the range that you want to fill.
- 6. You can also specify the type of series by using the right mouse button to drag the fill handle over the range and then clicking the appropriate command on the shortcut menu. For example, if the starting value is the date JAN-2007, click **Fill Months** for the series FEB-2007, MAR-2007, and so on; or click **Fill Years** for the series JAN-2007, JAN-2008, and so on.
- 7. If the selection contains numbers, you can control the type of series that you want to create.
- 8. You can suppress series **AutoFill** by holding down Ctrl as you drag the fill handle of a selection of two or more cells. The selected values are then copied to the adjacent cells, and Excel does not extend a series.

Fill cells with a series by using the Fill

command:

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- 1. Select the first cell in the range that you want to fill.
- 2. Type the starting value for the series.
- 3. On the **Home** tab, in the **Editing** group, click **Fill**, and then click **Series**.



- 4. Under **Type**, click one of the following options:
 - Linear Creates a series that is calculated by adding the value in the Step value

box to each cell value in turn.

- **Growth** Creates a series that is calculated by multiplying the value in the **Step value** box by each cell value in turn.
- **Date** Creates a series that fills date values incrementally by the value in the

Step value box and is dependent on the unit specified under **Date unit**.

- **AutoFill** Creates a series that produces the same results as dragging the fill handle.
- To establish a pattern for the series, in the Step value and Stop value boxes, type the values you want

Fill data by using a custom fill series:

To make entering a particular sequence of data (such as a list of names or

sales regions) easier, you can create a custom fill series. A custom fill series can be based on a list of existing items on a worksheet, or you can type the list from scratch. You cannot edit or delete a built-in fill series (such as a fill series for months and days), but you can edit or delete a custom fill series.

Note: A custom list can only contain text or text mixed with numbers.

Use a custom fill series based on an existing list of items:

- 1. On the worksheet, select the list of items that you want to use in the fill series.
- 2. Click the **File** tab, and then click **Options**.
- 3. Click **Advanced**, and then under **General**, click the **Edit Custom Lists** button.
- 4. Verify that the cell reference of the list of items that you selected is displayed in the

Import list from cells box, and then click Import.

The items in the list that you selected are added to the **Custom lists** box.

- 5. Click **OK** twice.
- 6. On the worksheet, click a cell, and then type the item in the custom fill series that you want to use to start the list.
- 7. Drag the fill handle across the cells that you want to fill.

Use a custom fill series based on a new list of items:

1. Click the **File** tab, and then click **Options**.

- 2. Click Advanced, and then under General, click Edit Custom Lists.
- 3. In the **Custom lists** box, click **NEW LIST**, and then type the entries in the **List entries**

box, starting with the first entry.

- 4. Press Enter after each entry.
- 5. When the list is complete, click **Add**, and then click **OK** twice.
- 6. On the worksheet, click a cell, and then type the item in the custom fill series that you want to use to start the list.
- 7. Drag the fill handle across the cells that you want to fill.

Edit or delete a custom fill series:

- 1. Click the **File** tab, and then click **Options**.
- Click Advanced category, and then under General, click Edit Custom Lists.
- 3. In the **Custom lists** box, select the list that you want to edit or delete, and then do one of the following:
 - To edit the fill series, make the changes that you want in the
 List entries box, and then click Add.
 - To delete the fill series, click **Delete**.

Formulas in Ms Excel:

A **formula** is an expression which calculates the value of a cell.

Functions are predefined formulas and are already available in Excel.

For example, cell A3 below contains a formula which adds the value of cell A2 to the value of cell A1.

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AB	3	- : [× ✓	<i>f</i> _x =A:	L+A2	
	А	В	с	D	E	F
1	2					
2	3					
3	5					
4						

For example, cell A3 below contains the SUM function which calculates the sum of the range A1:A2.

AB	}	•	× ✓	f_x	=SUM(A1:A2)	
	А	В	С	D	E	F
1	2					
2	3					
3	5					
4						

Enter a Formula:

To enter a formula, execute the following steps.

- 1.Select a cell.
- 2. To let Excel know that you want to enter a formula, type an equal sign (=).
- 3.For example, type the formula A1+A2.

AB	}	*	\times	\sim	$f_{\mathcal{K}}$	=A:	L+A2	
	Δ	в		с	ſ	5	F	F
_	~			<u> </u>		·	-	
1	2							
2	3							
3	5							
4								

Tip: instead of typing A1 and A2, simply select cell A1 and cell A2.

4. Change the value of cell A1 to 3.

A1		•	×	~	<i>f</i> _x 3		
	А	В		с	D	E	F
1	3						
2	3						
3	6						
4							

Excel automatically recalculates the value of cell A3. This is one of Excel's most powerful features!

Edit a Formula:

When you select a cell, Excel shows the value or formula of the cell in the formula bar.

A3	Ŧ) e:	× v		L+A2	
4	A	В	C	D	E	F
1	2					
2	3					
3	5					
4						

1. To edit a formula, click in the formula bar and change the formula.

s	JMIF 👻	8	× ✓	$f_{\mathcal{K}}$	=A1-A2	
1	A	в	С	D	E	F
1	2					
2	3					
3	=A1-A2					
4	Ī					

2. Press Enter.

A 4	Ļ	•	× ✓	f _x		
	А	в	С	D	E	F
1	2					
2	3					
3	-1					
4						
5						

MS POWERPOINT:

Microsoft PowerPoint is a powerful presentation software developed by Microsoft. It is a standard component of the company's Microsoft Office suite

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software, and is bundled together with Word, Excel and other office productivity tools. The program uses slides to convey information rich in multimedia. The term slide refers to the old slide projector, which this software effectively replaces.

PowerPoint was first developed by Dennis Austin and Thomas Rudkin at Forethought Inc. It was supposed to be named Presenter, but the name was not adapted due to trademark issues. It was renamed as PowerPoint in 1987 as suggested by Robert Gaskins. In August of 1987, Microsoft bought Forethought for \$14 million and turned it into its graphics business unit, where the company continued to develop the software. The first iteration was launched together with Windows 3.0 in 1990. It only allowed slide progression in one direction - forward - and the amount of customization was fairly limited.

PowerPoint experienced a very significant change in PowerPoint 97, which added predefined transition effects and allowed the user to time them appropriately so that slides would transition automatically. This allowed a presenter to follow a predefined progression and go on with the presentation without pausing to change or read the slides.

CREATION OF SLIDE

Step 1: Launch the PowerPoint Program. When you launch the PowerPoint program, you may be prompted to pick what kind of document you want to create. Choose to create a blank presentation. If it does not ask you this, a blank presentation will automatically launch

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Step 2: Choosing a Design, go to the 'Design' tab at the top of the page. Scroll through all the options and decide which one looks best for the presentation you want. To get a preview of what the design will look like before applying it to the presentation, hover over the design you want to preview. This design will be automatically continued throughout the rest of your presentation. Once you have more than one slide, you can add a different design for just one slide. To do this, select the slide you want to change the design on by clicking on it. It will pop- up as the big slide in the screen. Then you can right-click the design you want for this slide and select 'Apply to Selected Slide'.



Step 3: Create Title Page



Step 4: Add More Slides



Slide Sorter View

Slide Sorter view in PowerPoint lets you view and sort the presentation slides. To switch to Slide Sorter view, click the "Slide Sorter" button in the "Presentation Views" button group in the Status Bar. Alternatively, click the "Slide Sorter" button in the "Presentation Views" button group on the "View" tab of the Ribbon. We use Slide Sorter view to reorganize, insert, delete and copy the presentation slides. Slide Sorter view in PowerPoint also shows the presentation's visual flow. We can also add and preview slide transition animation here, as well.

In Slide Sorter view in PowerPoint, you can see all of the slides in your presentation laid out as thumbnail pictures. We cannot modify the content of the individual slides shown. In Slide Sorter view in PowerPoint, We can click a slide to select it. If you double-click that slide or press "Enter" on your keyboard, We open the selected slide in Normal View. We can then modify its content in Normal View. To delete slides in Slide Sorter view, click them once to highlight them. Then press the "Delete" key on your keyboard.

- To switch to Slide Sorter view, click the "Slide Sorter" button in the "Presentation Views" button group within the Status Bar.
- 2. **Alternatively**, click the "Slide Sorter" button in the "Presentation Views" button group on the "View" tab of the Ribbon.
- 3. To change the order of presentation slides in Slide Sorter view, click and drag the pictures of the slides.
- 4. Then release the slide when it is in the desired position.
- 5. To select a slide in Slide Sorter view, click a slide.
- 6. To open a selected slide in Normal View to edit it, double-click the slide.
- 7. Alternatively, press the "Enter" key on your keyboard.
- 8. To delete a slide in Slide Sorter view, click it once to select it.

9. Then press the "Delete" key on your keyboard.

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Add slide numbers, page numbers, or the date and time:

Add slide numbers or notes page numbers

- 1. On the **View** tab, in the **Presentation Views** group, click **Normal**.
- 2. On the left of your screen, in the pane that contains the slide thumbnails, click the first slide thumbnail in your presentation.

3. On the Insert tab, in the Text group, click Header & Footer.

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- 4. In the **Header and Footer** dialog box, do one of the following:
 - If you want to add slide numbers, click the Slide tab, and then select the Slide number check box.
 - If you want to add page numbers to notes or handouts, click the Notes and Handouts tab, and then select the Page number check box.

	Notes and Handouts		
Incl	lude on slide		Preview
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	Slide number		
	Footer		
	P		
	on't show on title <u>s</u> lide		

5. If you want to add page numbers to all of the slides, notes pages, or handouts in your presentation, click **Apply to All**.

Change the starting slide number

You can change the starting slide number, number only one slide, or omit the slide number from the first slide. Here's how.

- On the Design tab, in the Customize group, click Slide Size > Custom Slide Size.
- 2. In the **Slide Size** box, in the **Number Slides from** drop-down list, select a starting number.

Number only one slide or number all slides but the first slide

1. On the **Insert** tab, in the **Text** group, click **Header & Footer**.

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2. In the **Header and Footer** dialog box, click the **Slide** tab.

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	5		
	Don't show on title slide		

- 4. Do one of the following:
 - To number the slide that you have selected, select the Slide number check box, and then click Apply. Repeat this step for each individual slide that you want to number.
 - To number all slides but the first slide, select the Slide number check box, select

Don't show on title slide, and then click Apply to All.

Add the date and time

- 1. On the View tab, in the **Presentation Views** group, click **Normal**.
- 2. On the left of your screen, in the pane that contains the slide thumbnails, click the first slide thumbnail in your presentation.
- 3. On the **Insert** tab, in the **Text** group, click **Date & Time**.
- 4. In the **Header and Footer** box, do one of the following:
 - If you want to add the date and time to your slides, click the Slide tab.
 - If you want to add the date and time to your notes pages or handouts, click the

Notes and Handouts tab.

- 5. Select the **Date and time** check box, and then do one of the following:
 - If you want the date and time to reflect the current date and time each time you open or print the presentation, click Update automatically, and then select the date and time format that you want.
 - If you want to set the date and time to a specific date, click
 Fixed, and then in the Fixed box, type in the date that you want.By setting the date on your presentation so that it is

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Fixed, you can easily keep track of the last time you made changes to it.

6. If you want to add the date and time to all of the slides, notes pages, or handouts in your presentation, click **Apply to All**.

Apply or change a slide layout

Slide layouts contain formatting, positioning, and placeholders for all of the content that appears on a slide. Placeholders are the containers in layouts that hold such content as text (including body text, bulleted lists, and titles), tables, charts, SmartArt graphics, movies, sounds, pictures, and clip art. Slide layouts also contain the <u>theme</u> (colors, fonts, effects, and the background) of a slide.



Apply or change a slide layout:

- On the **View** tab, click **Normal**.
- In Normal View, in the thumbnail pane on the left, click the slide that you want to apply a layout to.

• On the **Home** tab, click **Layout**, and then select the layout that you want.



Change a slide layout in Slide Master View

If you are unable to find a slide layout that works with the text and other objects that you plan to put on your slides, change a layout in Slide Master View.

- 1. On the **View** tab, click **Slide Master**.
- 2. In Slide Master View, in the thumbnail pane on the left, click a slide layout that you want to change.



On the **Slide Master** tab, to change the layout, do one or more of the following:

- To add a placeholder, click **Insert Placeholder**, and then pick a type of placeholder from the list.
- To rearrange a placeholder, click the edge of the placeholder until you see a four-headed arrow, and the drag the placeholder to the new location on the slide.
- To delete a placeholder, select the placeholder, and then press **Delete** on your keyboard.
- To add a new layout, click **Insert Layout**.
- To rename a layout, in the thumbnail pane on the left, right-click the layout that you want to rename, click **Rename Layout**, type the new name of the layout and then click **Rename**.

Change the orientation of your slides

You can change the orientation of all your slides to standard, widescreen, or

a custom size, and you can specify either portrait or landscape orientation for both slides and notes.

• On the **Design** tab, click **Slide Size** and select an option



• To change the orientation, click **Custom Slide Size**, and then select the orientation you want under **Orientation**.



 To create a custom slide size, click Custom Slide Size, and then select screen, width, and height options on the left side of the Slide Size dialog box.

Set Up Slide Show:

Show type: Use the options in the Show type section to specify how you want to show your presentation to your audience.

- To deliver your presentation before a live audience, click **Presented by** a speaker (full screen).
- To enable your audience to view your presentation from a hard drive or CD on a computer, or on the Internet, click Browsed by an individual (window).

To allow your audience to scroll through your self-running presentation from an unattended computer, select the **Show scrollbar** check box.

Show slides : Use the options in the **Show slides** section to specify which slides are available in a presentation or to create a custom show.

- To show all slides in your presentation, click **All**.
- To show a specific group of slides from your presentation, enter the first slide number that you want to show in the **From** box, and enter the last slide number that you want to show in the **To** box.
- To start a custom slide presentation that derives from another PowerPoint presentation, click **Custom show**, and then click the presentation that you want to view as a custom show.

Show options : Use the options in the **Show options** section to specify how you want sound files, narrations, or animations to run in your presentation.

- To play a sound file or animation continuously, select the Loop continuously until 'Esc' check box.
- To show a presentation without playing an embedded narration, select the **Show without narration** check box.
- To show a presentation without playing an embedded animation, select the **Show without animation** check box.
- By default, PowerPoint speeds up the drawing of graphics in your presentation. But sometimes this feature causes display problems on older computers. To turn off this feature, choose **Disable** hardware graphics acceleration.
- When you deliver your presentation before a live audience, you can write on your slides. To specify an ink color, in the **Pen color** list, select an ink color.

The **Pen color** list is available only if **Presented by a speaker (full screen)** (in the **Show type** section) is selected.

• Choose a **Laser pointer color** from the drop-down list. While presenting, you Press and hold the Ctrl key, and then click and drag the left mouse button to point to the contents on the slide that you want to draw attention to with the pointer.

Advance slides : Use the options in the **Advance slides** section to specify how to move from one slide to another.

To advance to each slide manually during your presentation, click
 Manually.

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• To use slide timings to advance to each slide automatically during your presentation, click **Using timings, if present**.

CUSTOM ANIMATION:

We can animate the text, pictures, shapes, tables, SmartArt graphics, and other objects in our PowerPoint presentation to give them visual effects, including entrances, exits, changes in size or color, and even movement. Build a slide presentation that animates bullet points or even production credits.

Animation is a great way to emphasize a point, control information flow, and increase viewer interest. You can apply animation effects on individual slides, the slide master, or custom slide layouts.

Add animation to an object

1. Select the object that you want to animate.

An "object" in this context is any thing on a slide, such as a picture, a chart, or a text box. Sizing handles appear around an object when you select it on the slide

On the **Animations** tab of the ribbon, in the **Animation** group, click the **More** substitution, and then select the animation effect that you want.



- If you do not see the entrance, exit, emphasis, or motion path animation affect that you want, click More Entrance Effects, More Emphasis Effects, More Exit Effects, or More Motion Paths.
- Some entrance and exit effects (such as Flip, Drop, and Whip) and some emphasis effects (such as Brush Color and Wave) are available only for objects that contain text. If you want to apply an animation effect that isn't available for this reason, try adding a space inside your object.
- After you have applied an animation to an object or text, the animated items are labeled on the slide with a non-printing numbered tag, displayed near the text or object. The tag appears only in Normal view when the **Animations** tab is selected or the Animation task pane is visible.

Change the speed of the animation effect: The speed of the effect is determined by the Duration setting.

1. On the slide, select the animation effect that you want to change.

2. On the **Animations** tab, under **Timing** options, in the **Duration** box, enter the number seconds that you want the animation effect to last.

Start: On	Click	+	Reorder Animation						
Ouration:	00.50	÷	Move Earlier						
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Timing									

(Maximum: 59 seconds. Minimum: .01 seconds. You can type a duration or use the up or down arrows to select a standard incremental value.)

Set the effect options, timing, or order for an animation

• To set the **effect options** for an animation, on the **Animations** tab, in the **Animation**

group, click the arrow to the right of **Effect Options** and click the option that you want.

• You can specify the start, duration, or delay timing for an animation on the **Animations**

tab.

- To set the start timing for an animation, in the Timing group, click the arrow to the right of the Start menu and select the timing that you want.
- $_{\circ}$ $\,$ To set the **duration** of how long the animation will run, in the

Timing group, enter the number of seconds that you want in the **Duration** box.

- To set a **delay** before the animation begins, in the **Timing** group, enter the number of seconds that you want in the **Delay** box.
- To reorder an animation in the list, in theAnimation task pane, select the animation that you want to reorder, and on the Animations tab, in the Timing group, under Reorder Animation, either select Move Earlier to make the animation occur before another animation in the list or select Move Later to make the animation occur after another animation in the list.

Test your animation effect:

After you add one or more animation effects, to validate that they work, do the following:

• On the **Animations** tab, in the **Preview** group, click **Preview**.



More about animating text and object There are four different types of animation effects:

• Entrance effects make an object fade gradually into focus, fly onto
the slide from an edge, or bounce into view.

- **Exit** effects include making an object fly off of the slide, disappear from view, or spiral off of the slide.
- **Emphasis** effects include making an object shrink or grow in size, change color, or spin on its center.
- You can use **Motion Paths** to make an object move up or down, left or right, or in a star or circular pattern (among other effects). You also can draw your own motion path.

You can use any animation by itself, or combine multiple effects. For instance, to make a line of text fly in while it grows, apply a **Fly In** entrance effect and a **Grow/Shrink** emphasis effect to it. Click **Add Animation** to add effects, and use the Animation Pane to set the emphasis effect to occur **With Previous**.

The gallery of animation effects on the **Animations** tab shows only the most popular effects. Get even more possibilities by clicking **Add Animation**, scrolling down, and clicking **More Entrance Effects**, **More Emphasis Effects**, **More Exit Effects**, or **More Motion Paths**.



Applying transitions: Transition effects—or transitions as they are often called—are the movements you see when one slide changes to another in Slide Show view. Transition effects are different from animation effects. The

term animation in PowerPoint refers to the movements of text and objects on the slide, while transitions refer to the movement of the slide as it changes to another slide.

To apply a transition to one slide:

- Select the **slide** you want to modify.
- Select the **Animations** tab.
- Locate the **Transition to This Slide** group. By default, **No Transition** is applied to each slide

Animations Slide Show	Review	View	Add-Ins (
			▲ ● ● ● Advance Slide ■ ● ● On Mouse Click ■ ● ● Automatically After: 00:10
	_	Trans	ition to This Slide
No Transition		10	

• Click the **More** drop-down arrow to display all available transition effects.

Animations	Slide	Show	Review	View	Add-Ins	
No Trans	ition					
						1 m. 1.
Fades and	d Dissolve	5				
þ						
Wipes						
	¢	-	Û		4	
			2		9	
2			C	S	3	

• Click a **slide transition effect** to apply it to the selected slide.

Hover over a slide transition effect to see a live preview of the effect on the slide.

To apply a slide transition to all slides:

- Select the **slide** you want to modify.
- Select the **Animations** tab.
- Locate the **Transition to This Slide** group. By default, **No Transition** is applied to each slide.
- Click the **More** drop-down arrow to display all transition effects.
- Click a **slide transition effect** to apply it to the selected slide.
- Click **Apply To All** to apply the transition to all slides in the presentation.



Modifying transitions

To set slide transition speed:

- Apply a **slide transition effect** to a slide.
- Click the **Transition Speed** drop-down menu in the Transition to This Slide group on the Animations tab.
- Select a menu option to apply the transition speed to the selected slide.

	Animations	Slide Show	Review	View	Add-Ins		
						🔺 强 Transition Sound: [No Sound]	-
1			l <u>–</u> I			🐨 🗐 Transition Speed: Slow	<u>~</u>
						Apply To All Slow	
					Tra	ansition to This Slide Medium	
	F	4	.3	.2	1	•••0•••••1••••1••••2	~

You can set the transition speed when you apply the transition effect, or you can return to the Animations tab and apply it later. If you want to apply the transition effect and transition speed to all slides, Click **Apply to All**.

To set slide transition sound:

- Apply a **slide transition effect** to a slide.
- Click the **Transition Sound** drop-down menu in the Transition to This Slide group on the Animations tab.
- Select a **sound** to apply it to the selected slide.

Click **Apply To All** if you want to apply the transition effect and transition sound to all slides.

To remove a slide transition effect:

- Select the **slide** you want to modify.
- Select the **Animations** tab.
- Click **No Transition** in the Transition to This Slide group.



- Repeat this process for each slide you want to modify. OR
 - Click **Apply To All** to remove the slide transition effect from each slide in the presentation.



KARPAGAM ACADEMY OF HIGHER EDUCATION (Deemed University Established Under Section 3 of UGC Act 1956) Coimbatore - 641021. (For the candidates admitted from 2016 onwards) DEPARTMENT OF COMMERCE (CA)

SUBJECT:: INTRODUCTION TO INFORMATION TECHNOLOGYSEMESTER : IISUBJECT CODE:17CCU102CLASS: I B.C

CLASS : I B.COM CA

S.NO	OUESTIONS	OPTION 1	OPTION 2	OPTION 3	OPTION 4	ANSWER
1						
I	The Software which contains rows and columns is called	Database	Drawing	Spreadsheet	Word processing	Spreadsheet
2	What is the short cut key to replace a data with another in sheet?	Ctrl + R	Ctrl + Shift + R	Ctrl + H	Ctrl + F	Ctrl + H
3	The key F12 opens a	Save As dialog box	Open dialog box	Save dialog box	Close dialog box	Save As dialog box
4	Which of the following is not a valid Zoom percentage in Excel?	10	100	200	500	500
				500		
5	The spelling tool is placed on toolbar	Standard	Formatting	Drawing	Reviewing	Standard
6	You can automatically adjust the size of text in a cell if they do not fit in width by	Double clicking on the right border of column header	From Format choose Columns and then Autofit Selection	From Format Cells dialog box mark Shrink to fit check box	Decimal Places	From Format Cells dialog box mark Shrink to fit check box
7	Formatting a cell in Currency, you can specify	Decimal Places	Currency	Adding	Symbol	Decimal Places
8	Formatting a call in Number format you can't sat	Decimal Places	Use 1000 separator	Nagatiya numbara	Currency Symbol	Currency Symbol
0						
9	What is entered by the function =today()	The date value for the day according to system clock	The time value according to system clock	Today's date as Text format	Todays day	The date value for the day according to system clock
10	Which function will you use to enter current time in a worksheet cell?	=today()	=now()	=time()	=currentTime()	=now()
11	Merge cells option can be applied from	Format Cells dialog box Alignment Tab	Formatting toolbar	Both of above	None of above	Format Cells dialog box Alignment Tab
12	Pre made sheet formate like Simple Classic Accounting Colorful et can be applied from	from Format >> Cells	from Format >> Autoformat	from Table >> Autoformat	All of above	from Format >> Autoformat
12	Tre-made sheet formats like simple, classic, Accounting, colorful et can be applied from					
13	You can set Page Border in Excel from	From Border tab in Format Cells dialog box	From Border tool in Formatting toolbar	From Line Style tool in Drawing toolbar	You can not set page border in Excel	You can not set page border in Excel
14	When all the numbers between 0 and 100 in a range should be displayed in Red Color, apply	Use $=$ if() function to format the required numbers red	Apply Conditional Formatting command on Format menu	Select the cells that contain number between 0 and 100 then click Red color or	use formulas	Apply Conditional Formatting command on Format menu
		este information to format me required numbers red	rippi) conditional formating command on formatinent	Text Color tool		rippi) conditional formating command on Format mond
15	Which of the following is not true regarding Conditional Formatting?	You can add more than one condition to check	You can set condition to look for Bold and apply Italics on them	You can apply Font, border and pattern formats that meets the specified	You can delete any condition from Conditional Formatting dialog box if	You can set condition to look for Bold and apply Italics on them
10	which of the following is not the regulating contactional formatting.		Tou can set containen to rook for bold and apply failes on them.	conditions	it is not required	Tou can set contaition to rook for Bora and appry famos on moni.
16	Which of the following is invalid statement?	Sheet tabs can be colored	Some picture can be applied as a background of a sheet	You can set the column width automatically fit the amount of text	The width of a row and be specified manually or fit automatically	The width of a row and be specified manually or fit automatically
17	You can auto fit the width of column by	double clicking on the column name on column header	Double click on the cell pointer in worksheet	Double clicking on column right border on column header	Double clicking on the column left border of column header	Double click on the cell pointer in worksheet
18	Long text can be broken down into many lines within a call. You can do this through	Wran Taxt in Format >> Calls	Iustify in Edit > Calle	Taxt Wraning in Format >> Calls I avout tab	Wraning in Format $>$ Calls	Wran Tayt in Format >> Calla
10				rext wraping in Format >> Cens, Layout tab	witaping in Format >> Cens,	whap text in Format >> Cens
19	MS Excel provides the default value for step in Fill Series dialog box	0		5	10	1
20	Ctrl + D shortcut key in Excel will	Open the font dialog box	Apply double underline for the active cell	Fill down in the selection	None of above	Fill down in the selection
21	The short cut key Ctrl + R is used in Excel to	Right align the content of cell	Remove the cell contents of selected cells	Fill the selection with active cells to the right	None of above	Fill the selection with active cells to the right
22	The command $Edit >> Fill A cross Worksheet is active only when$	One sheet is selected	When many sheets are selected	When no sheet is selected	two sheet are selected	When many sheets are selected
22						The many sheets are selected
23	Which of the following series type is not valid for Fill Series dialog box?	Linear	Growth	Autofill	lime	Time
24	Formulas in Excel start with	%	.=	.+	&	.=
25	Paste Special allows some operation while you paste to new cell. Which of the following operation is valid?	Square	Percentage	Goal Seek	Divide	Divide
26	Edit >> Delete command	Deletes the content of a call	Deletes Formats of cell	Deletes the comment of cell	Deletes selected cells	Deletes selected cells
20	Edit >> Delete command					
27	To remove the content of selected cells you must issue command	Edit >> Delete	Edit >> Clear >> Contents	Edit >> Clear >> All	Data >> Delete	Edit >> Clear >> Contents
28	The Delete key of keyboard is assigned to which command in Excel?	Edit >> Clear >> Contents	Edit >> Clear >> All	Edit >> Delete	Edit>>clear	Edit >> Clear >> Contents
20						
29	If you need to remove only the formatting done in a range (numbers and formula typed there should not be remove, you must	From Edit menu choose Clear and then Formats	From Edit menu choose Delete	Click on Remove Formatting tool on Standard Toolbar	Double click the Format Painter and then press Esc key in keyboard	From Edit menu choose Clear and then Formats
30	Which of the following action removes a sheet from workbook?	Select the sheet then choose Edit >> Delete Sheet	Select the sheet then choose Format >> Sheet >> Hide	shift Delete	Delete button	Select the sheet then choose Edit >> Delete Sheet
30	Le Minner & De an Deint de Linde Control of Control de terror handle dat de monoration en	Select the sheet, then choose Eart Delete Sheet	Select the sheet then enouse romat >> sheet >> made			Select the sheet, then choose East >> Delete Sheet
31	In Microsoft PowerPoint two kind of sound effects files that can be added to the presentation are	.wav files and .mid files	.wav files and .gif files	.wav files and .jpg files	.jpg files and .gif files	.wav files and .mid files
32	Material consisting of text and numbers is best presented as	A table slide	A bullet slide	A title slide	A tilde slide	A table slide
33	What is a motion path?	A type of animation entrance effect	A method of advancing slides	A method of moving items on a slide	A movement way	A method of moving items on a slide
34	What is a slide-title master pair?	The title area and text area of a specific slide	a slide master and title master merged into a single slide	A slide master and title master for a specific design template	A pair of slides	A slide master and title master for a specific design template
34						A side master and the master for a specific design emphate
35	Which of the following should you use if you want all the slide in the presentation to have the same "look"?	the slide layout option	add a slide option	outline view	a presentation design template	a presentation design template
26			$A = \frac{1}{2} + $			An item on the slide that nonformed an estion subon slided
50	in the context of animations, what is a trigger?	An action button that advances to the next slide	An item on the slide that performs an action when clicked	The name of a motion path	Starts the slide show	An item on the slide that performs an action when clicked
37	in the context of animations, what is a trigger? If you have a PowerPoint show you created and want to send using email to another teacher you can add the show to your email message as a (an)	An action button that advances to the next slide Inclusion	An item on the slide that performs an action when clicked Attachment	The name of a motion path Reply	Starts the slide show Forward	An item on the slide that performs an action when clicked
37	in the context of animations, what is a trigger? If you have a PowerPoint show you created and want to send using email to another teacher you can add the show to your email message as a (an)	An action button that advances to the next slide Inclusion Triple click the chart object	An item on the silde that performs an action when clicked Attachment Click and drag the shart object	The name of a motion path Reply	Starts the slide show Forward Click the short shiret	An item on the side that performs an action when clicked Attachment Double click the chart chiest
37 38	in the context of animations, what is a trigger? If you have a PowerPoint show you created and want to send using email to another teacher you can add the show to your email message as a (an) In order to edit a chart, you can	An action button that advances to the next slide Inclusion Triple click the chart object	An item on the side that performs an action when clicked Attachment Click and drag the chart object	The name of a motion path Reply Double click the chart object	Starts the slide show Forward Click the chart object	An item on the side that performs an action when clicked Attachment Double click the chart object
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$ \begin{array}{r} 330 \\ 37 \\ 38 \\ 39 \\ 40 \\ 41 \\ 42 \\ 41 \\ 41 \\ 42 \\ 41 \\ 42 \\ 41 \\ 41 \\ 42 \\ 41 \\ 41 \\ 41 \\ 42 \\ 41 \\ 41 \\ 41 \\ 42 \\ 41 $	in the context of animations, what is a trigger? If you have a PowerPoint show you created and want to send using email to another teacher you can add the show to your email message as a (an) In order to edit a chart, you can to exit the PowerPoint to preview a motion path effect using the custom animation task pane, you should You can create a new presentation by completing all of the following except To select one hyperlink after another during a slide presentation, what do you press?	An action button that advances to the next slide Inclusion Triple click the chart object click the application minimize button click the play button Clicking the new button on the standard toolbar Tab	An item on the silde that performs an action when clicked Attachment Click and drag the chart object click the document close button click the show effect button Clicking file, new Ctrl + K	The name of a motion path Reply Double click the chart object double click the applications control menu icon double click the motion path Clicking file open Ctrl + h	Starts the slide show Forward Click the chart object double click the document control menu icon click the motion path Pressing ctrl + N ctrl+shift	An item on the side that performs an action when clicked Attachment Double click the chart object double click the applications control menu icon click the play button Clicking file open Tab
$ \begin{array}{r} 336 \\ 37 \\ 38 \\ 39 \\ 40 \\ 41 \\ 42 \\ 43 \\ 43 \end{array} $	in the context of animations, what is a trigger? If you have a PowerPoint show you created and want to send using email to another teacher you can add the show to your email message as a (an) In order to edit a chart, you can to exit the PowerPoint to preview a motion path effect using the custom animation task pane, you should You can create a new presentation by completing all of the following except To select one hyperlink after another during a slide presentation, what do you press? special effects used to introduce slides in a presentation are called	An action button that advances to the next slide Inclusion Triple click the chart object click the application minimize button click the play button Clicking the new button on the standard toolbar Tab effects	An item on the silde that performs an action when clicked Attachment Click and drag the chart object click the document close button click the show effect button Clicking file, new Ctrl + K custom animations	The name of a motion path Reply Double click the chart object double click the applications control menu icon double click the motion path Clicking file open Ctrl + h transitions	Starts the slide show Forward Click the chart object double click the document control menu icon click the motion path Pressing ctrl + N ctrl+shift present animations	An item on the side that performs an action when clicked Attachment Double click the chart object double click the applications control menu icon click the play button Clicking file open Tab transitions
$ \begin{array}{r} 336 \\ 37 \\ 38 \\ 39 \\ 40 \\ 41 \\ 42 \\ 43 \\ 44 \\ \end{array} $	in the context of animations, what is a trigger? If you have a PowerPoint show you created and want to send using email to another teacher you can add the show to your email message as a (an) In order to edit a chart, you can to exit the PowerPoint to preview a motion path effect using the custom animation task pane, you should You can create a new presentation by completing all of the following except To select one hyperlink after another during a slide presentation, what do you press? special effects used to introduce slides in a presentation are called What is the term used when you press and hold the left mouse key and more the mouse around the slide?	An action button that advances to the next slide Inclusion Triple click the chart object click the application minimize button click the play button Clicking the new button on the standard toolbar Tab effects Highlighting	An item on the silde that performs an action when clicked Attachment Click and drag the chart object click the document close button click the show effect button Clicking file, new Ctrl + K custom animations Dragging	The name of a motion path Reply Double click the chart object double click the applications control menu icon double click the motion path Clicking file open Ctrl + h transitions Selecting	Starts the slide show Forward Click the chart object double click the document control menu icon click the motion path Pressing ctrl + N ctrl+shift present animations Moving	An item on the side that performs an action when clicked Attachment Double click the chart object double click the applications control menu icon click the play button Clicking file open Tab transitions Dragging
$ \begin{array}{r} 336 \\ 37 \\ 38 \\ 39 \\ 40 \\ 41 \\ 42 \\ 43 \\ 44 \\ 45 \\ \end{array} $	in the context of animations, what is a trigger? If you have a PowerPoint show you created and want to send using email to another teacher you can add the show to your email message as a (an) In order to edit a chart, you can to exit the PowerPoint to preview a motion path effect using the custom animation task pane, you should You can create a new presentation by completing all of the following except To select one hyperlink after another during a slide presentation, what do you press? special effects used to introduce slides in a presentation are called What is the term used when you press and hold the left mouse key and more the mouse around the slide? Which of the following toolbars provide different options in various master views?	An action button that advances to the next slide Inclusion Triple click the chart object click the application minimize button click the play button Clicking the new button on the standard toolbar Tab effects Highlighting Common tasks toolbar	An item on the silde that performs an action when clicked Attachment Click and drag the chart object click the document close button click the show effect button Clicking file, new Ctrl + K custom animations Dragging Drawing toolbar	The name of a motion path Reply Double click the chart object double click the applications control menu icon double click the motion path Clicking file open Ctrl + h transitions Selecting Formatting toolbar	Starts the slide show Forward Click the chart object double click the document control menu icon click the motion path Pressing ctrl + N ctrl+shift present animations Moving Standard toolbar	An item on the side that performs an action when clicked Attachment Double click the chart object double click the applications control menu icon click the play button Clicking file open Tab transitions Dragging Common tasks toolbar
$ \begin{array}{r} 336 \\ 37 \\ 38 \\ 39 \\ 40 \\ 41 \\ 42 \\ 43 \\ 44 \\ 45 \\ 46 \\ \end{array} $	in the context of animations, what is a trigger? If you have a PowerPoint show you created and want to send using email to another teacher you can add the show to your email message as a (an) In order to edit a chart, you can to exit the PowerPoint to preview a motion path effect using the custom animation task pane, you should You can create a new presentation by completing all of the following except To select one hyperlink after another during a slide presentation, what do you press? special effects used to introduce slides in a presentation are called What is the term used when you press and hold the left mouse key and more the mouse around the slide? Which of the following toolbars provide different options in various master views? How can you create a uniform anpearance by adding a background image to all slides?	An action button that advances to the next slide Inclusion Triple click the chart object click the application minimize button click the play button Clicking the new button on the standard toolbar Tab effects Highlighting Common tasks toolbar Create a template	An item on the slide that performs an action when clicked Attachment Click and drag the chart object click the document close button click the show effect button Clicking file, new Ctrl + K custom animations Dragging Drawing toolbar Edit the slide master	The name of a motion path Reply Double click the chart object double click the applications control menu icon double click the motion path Clicking file open Ctrl + h transitions Selecting Formatting toolbar Use the autocorrect wizard	Starts the slide show Forward Click the chart object double click the document control menu icon click the motion path Pressing ctrl + N ctrl+shift present animations Moving Standard toolbar	An item on the side that performs an action when clicked Attachment Double click the chart object double click the applications control menu icon click the play button Clicking file open Tab transitions Dragging Common tasks toolbar Edit the slide master
$ \begin{array}{r} 336 \\ 37 \\ 38 \\ 39 \\ 40 \\ 41 \\ 42 \\ 43 \\ 44 \\ 45 \\ 46 \\ 17 \\ 7 \end{array} $	in the context of animations, what is a trigger? If you have a PowerPoint show you created and want to send using email to another teacher you can add the show to your email message as a (an) In order to edit a chart, you can to exit the PowerPoint to preview a motion path effect using the custom animation task pane, you should You can create a new presentation by completing all of the following except To select one hyperlink after another during a slide presentation, what do you press? special effects used to introduce slides in a presentation are called What is the term used when you press and hold the left mouse key and more the mouse around the slide? Which of the following toolbars provide different options in various master views? How can you create a uniform appearance by adding a background image to all slides?	An action button that advances to the next slide Inclusion Triple click the chart object click the application minimize button click the play button Clicking the new button on the standard toolbar Tab effects Highlighting Common tasks toolbar Create a template	An item on the silde that performs an action when clicked Attachment Click and drag the chart object click the document close button click the show effect button Clicking file, new Ctrl + K custom animations Dragging Drawing toolbar Edit the slide master	The name of a motion path Reply Double click the chart object double click the applications control menu icon double click the motion path Clicking file open Ctrl + h transitions Selecting Formatting toolbar Use the autocorrect wizard	Starts the slide show Forward Click the chart object double click the document control menu icon click the motion path Pressing ctrl + N ctrl+shift present animations Moving Standard toolbar copy	An item on the side that performs an action when clicked Attachment Double click the chart object double click the applications control menu icon click the play button Clicking file open Tab transitions Dragging Common tasks toolbar Edit the slide master
$ \begin{array}{r} 338 \\ 37 \\ 38 \\ 39 \\ 40 \\ 41 \\ 42 \\ 43 \\ 44 \\ 45 \\ 46 \\ 47 \\ 47 \end{array} $	in the context of animations, what is a trigger?If you have a PowerPoint show you created and want to send using email to another teacher you can add the show to your email message as a (an)In order to edit a chart, you canto exit the PowerPointto exit the PowerPointto preview a motion path effect using the custom animation task pane, you shouldYou can create a new presentation by completing all of the following exceptTo select one hyperlink after another during a slide presentation, what do you press?special effects used to introduce slides in a presentation are calledWhat is the term used when you press and hold the left mouse key and more the mouse around the slide?How can you create a uniform appearance by adding a background image to all slides?What is the term used when a clip art image changes the direction of faces?	An action button that advances to the next slide Inclusion Triple click the chart object click the application minimize button click the play button Clicking the new button on the standard toolbar Tab effects Highlighting Common tasks toolbar Create a template Group	An item on the silde that performs an action when clicked Attachment Click and drag the chart object click the document close button click the show effect button Clicking file, new Ctrl + K custom animations Dragging Drawing toolbar Edit the slide master Flip	The name of a motion path Reply Double click the chart object double click the applications control menu icon double click the motion path Clicking file open Ctrl + h transitions Selecting Formatting toolbar Use the autocorrect wizard Rotate	Starts the slide show Forward Click the chart object double click the document control menu icon click the motion path Pressing ctrl + N ctrl+shift present animations Moving Standard toolbar copy maximize	An item on the side that performs an action when clicked Attachment Double click the chart object double click the applications control menu icon click the play button Clicking file open Tab transitions Dragging Common tasks toolbar Edit the slide master Rotate
$ \begin{array}{r} 336 \\ 37 \\ 38 \\ 39 \\ 40 \\ 41 \\ 42 \\ 43 \\ 44 \\ 45 \\ 46 \\ 47 \\ 48 \\ \end{array} $	in the context of animations, what is a trigger? If you have a PowerPoint show you created and want to send using email to another teacher you can add the show to your email message as a (an) In order to edit a chart, you can to exit the PowerPoint to preview a motion path effect using the custom animation task pane, you should You can create a new presentation by completing all of the following except To select one hyperlink after another during a slide presentation, what do you press? special effects used to introduce slides in a presentation are called What is the term used when you press and hold the left mouse key and more the mouse around the slide? Which of the following toolbars provide different options in various master views? How can you create a uniform appearance by adding a background image to all slides? What is the term used when a clip art image changes the direction of faces? the slide that is used to introduce a topic and set the tone for the presentation is called	An action button that advances to the next slide Inclusion Triple click the chart object click the application minimize button click the play button Clicking the new button on the standard toolbar Tab effects Highlighting Common tasks toolbar Create a template Group table slide	An item on the silde that performs an action when clicked Attachment Click and drag the chart object click the document close button click the show effect button Clicking file, new Ctrl + K custom animations Dragging Drawing toolbar Edit the slide master Flip graph slide	The name of a motion path Reply Double click the chart object double click the applications control menu icon double click the motion path Clicking file open Ctrl + h transitions Selecting Formatting toolbar Use the autocorrect wizard Rotate bullet slide	Starts the slide show Forward Click the chart object double click the document control menu icon click the motion path Pressing ctrl + N ctrl+shift present animations Moving Standard toolbar copy maximize title slide	An item on the side that performs an action when clicked Attachment Double click the chart object double click the applications control menu icon click the play button Clicking file open Tab transitions Dragging Common tasks toolbar Edit the slide master Rotate title slide
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$ \begin{array}{r} 336 \\ 37 \\ 38 \\ 39 \\ 40 \\ 41 \\ 42 \\ 43 \\ 44 \\ 45 \\ 46 \\ 47 \\ 48 \\ 49 \\ 50 \\ 51 \\ 52 \\ 53 \\ 54 \\ 55 \\ 56 \\ 57 \\ \end{array} $	in the context of animations, what is a trigger? If you have a PowerPoint show you created and want to send using email to another teacher you can add the show to your email message as a (an) In order to edit a chart, you can to exit the PowerPoint to preview a motion path effect using the custom animation task pane, you should You can create a new presentation by completing all of the following except To select one hyperlink after another during a slide presentation, what do you press? special effects used to introduce slides in a presentation are called What is the term used when you press and hold the left mouse key and more the mouse around the slide? Which of the following toolbars provide different options in various master views? How can you create a uniform appearance by adding a background image to all slides? What is the term used when a clip art image changes the direction of faces? the slide that is used to introduce a topic and set the tone for the presentation is called Which of the following features should you use when typing in the notes text box? Which of the following tool enables you to add text to a slide to an existing presentation? Which of the following tool enables you to add text to a slide without using the standard placeholders? Objects on the slide that hold text are called Which of the following tool text are called In Microsoft PowerPoint we that displays only text (itile and bullets) is In Microsoft PowerPoint the entry effect as one slide in a presentation? In Microsoft PowerPoint in order to see all the slides on one screen use	An action button that advances to the next slideInclusionTriple click the chart objectclick the application minimize buttonclick the play buttonClicking the new button on the standard toolbarTabeffectsHighlightingCommon tasks toolbarCreate a templateGrouptable slideSlide showFile, add a new slideText tool boxPlaceholdersNext slide buttonAlt + Click each slideSlide showanimationview, slide sorter	An item on the slide that performs an action when clicked Attachment Click and drag the chart object elick the document close button click the show effect button Clicking file, new Ctrl + K custom animations Dragging Drawing toolbar Edit the slide master Flip graph slide Insert Insert, New slide Line tool Object holders Page up Shift + drag each slide Slide sorter view slide transition view, slide	The name of a motion path Reply Double click the chart object double click the applications control menu icon double click the motion path Clicking file open Ctrl + h transitions Selecting Formatting toolbar Use the autocorrect wizard Rotate bullet slide Slide maser File Open Drawing tool Auto layouts Ctrl + Home Shift + Click each slide Notes page view custom animation view, master	Starts the slide show Forward Click the chart object double click the document control menu icon click the motion path Pressing ctrl + N ctrl+shift present animations Moving Standard toolbar copy maximize title slide Zoom File, New Auto shapes tool Text holders Ctrl + End Ctrl + Click each slide Outline view preset animation view, slide show	An item on the side that performs an action when clicked Attachment Double click the applications control menu icon click the play button Clicking file open Tab transitions Dragging Common tasks toolbar Edit the slide master Rotate title slide Zoom Insert, New slide Text tool box Placeholders Ctrl + Home Shift + Click each slide Outline view slide transition view, slide sorter
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$ \begin{array}{r} 36 \\ 37 \\ 38 \\ 39 \\ 40 \\ 41 \\ 42 \\ 43 \\ 44 \\ 45 \\ 46 \\ 47 \\ 48 \\ 49 \\ 50 \\ 51 \\ 52 \\ 53 \\ 54 \\ 55 \\ 56 \\ 57 \\ 58 \\ 59 \\ 60 \\ \end{array} $	in the context of animations, what is a trigger? If you have a PowerPoint show you created and want to send using email to another teacher you can add the show to your email message as a (an) In order to edit a chart, you can to exit the PowerPoint to preview a motion path effect using the custom animation task pane, you should You can create a new presentation by completing all of the following except To select one hyperlink after another during a slide presentation, what do you press? special effects used to introduce slides in a presentation are called What is the term used when you press and hold the left mouse key and more the mouse around the slide? Which of the following toolbars provide different options in various master views? How can you create a uniform appearance by adding a background image to all slides? What is the term used when a clip art image changes the direction of faces? the slide that is used to introduce a topic and set the tone for the presentation is called Which of the following features should you use when typing in the notes text box? Which of the following features should you use when typing in the notes text box? Which of the following tool enables you to add text to a slide without using the standard placeholders? Objects on the slide that hold text are called Which of the following allow you to select more than one slide in a presentation? Which of the following allow you to select more than one slide in a presentation? The PowerPoint view that displays only text (tile and bullets) is In Microsoft PowerPoint in order to see all the slides on one screen use Which of the following options changes the firl color of an object back to the default color? Which of the following should be used with the mouse when you want to drw a perfect shape? Which of the following should be used with the mouse when you want to drw a perfect shape? Which of the following should be used with the mouse when you want to drw a perfect shape? Which of the following should be used	An action button that advances to the next slideInclusionTriple click the chart objectclick the application minimize buttonclick the play buttonClicking the new button on the standard toolbarTabeffectsHighlightingCommon tasks toolbarCreate a templateGrouptable slideSlide showFile, add a new slideText tool boxPlaceholdersNext slide buttonAlt + Click each slideSlide showanimationview, slide sorterTemplateThe spacebar	An item on the side that performs an action when clicked Attachment Click and drag the chart object click the document close button click the show effect button Clicking file, new Ctrl + K custom animations Dragging Drawing toolbar Edit the slide master Flip graph slide Insert Insert, New slide Line tool Object holders Page up Shift + drag each slide Slide sorter view slide transition view, slide Automatic The alt key	The name of a motion path Reply Double click the chart object double click the applications control menu icon double click the motion path Clicking file open Ctrl + h transitions Selecting Formatting toolbar Use the autocorrect wizard Rotate bullet slide Slide maser File Open Drawing tool Auto layouts Ctrl + Home Shift + Click each slide Notes page view custom animation view, master Patterns The ctrl key	Starts the slide show Forward Click the chart object double click the document control menu icon click the motion path Pressing ctrl + N ctrl+shift present animations Moving Standard toolbar copy maximize title slide Zoom File, New Auto shapes tool Text holders Ctrl + End Ctrl + Click each slide Outline view preset animation view, slide show Fill colors The shift key	An item on the slide that performs an action when clicked Attachment Double click the chart object double click the applications control menu icon click the play button Clicking file open Tab transitions Dragging Common tasks toolbar Edit the slide master Rotate title slide Zoom Insert, New slide Text tool box Placeholders Ctrl + Home Shift + Click each slide Outline view slide transition view, slide sorter Automatic The shift key
$\begin{array}{r} 36\\ \hline 37\\ \hline 38\\ \hline 39\\ \hline 40\\ \hline 41\\ \hline 42\\ \hline 43\\ \hline 44\\ \hline 45\\ \hline 46\\ \hline 47\\ \hline 48\\ \hline 49\\ \hline 50\\ \hline 51\\ \hline 52\\ \hline 53\\ \hline 51\\ \hline 52\\ \hline 53\\ \hline 54\\ \hline 55\\ \hline 56\\ \hline 57\\ \hline 58\\ \hline 59\\ \hline 60\\ \hline \end{array}$	in the context of animations, what is a trigger? If you have a PowerPoint show you created and want to send using email to another teacher you can add the show to your email message as a (an) In order to edit a chart, you can to exit the PowerPoint to preview a motion path effect using the custom animation task pane, you should You can create a new presentation by completing all of the following except To select one hyperlink after another during a slide presentation, what do you press? special effects used to introduce slides in a presentation are called What is the term used when you press and hold the left mouse key and more the mouse around the slide? Which of the following toolbars provide different options in various master views? How can you create a uniform appearance by adding a background image to all slides? What is the term used when a clip art image changes the direction of faces? the slide that is used to introduce a topic and set the tone for the presentation is called Which of the following features should you use when typing in the notes text box? Which of the following should be used when you want to add a slide to an existing presentation? Which of the following tool enables you to add text to a slide without using the standard placeholders? Objects on the slide that hold text are called Which of the following shoul be used when you presentation? The PowerPoint view that displays only text (title and bullets) is In Microsoft PowerPoint tie entry effect as one slide in a presentation? The PowerPoint view that displays only text (title and bullets) is In Microsoft PowerPoint the entry effect as one slide rol ace soft in a show is called a (an) In Microsoft PowerPoint the entry effect as one slide rol ace use whe is called a (an) In Microsoft PowerPoint in order to see all the slides on one screen use Which of the following should be used whith the mouse when you want to draw a perfect shape? Which of the following should be used with the mouse when you want to draw a pe	An action button that advances to the next slideInclusionTriple click the chart objectclick the application minimize buttonclick the play buttonClicking the new button on the standard toolbarTabeffectsHighlightingCommon tasks toolbarCreate a templateGrouptable slideSlide showFile, add a new slideText tool boxPlaceholdersNext slide buttonAlt + Click each slideSlide showanimationview, slide sorterTemplateThe spacebarTwo corner handles	An item on the sinde that performs an action when clicked Attachment Click and drag the chart object click the document close button click the show effect button Clicking file, new Ctrl + K custom animations Dragging Drawing toolbar Edit the slide master Flip graph slide Insert Insert, New slide Line tool Object holders Page up Shift + drag each slide Slide sorter view slide transition view, slide Automatic The alt key Six middle handles	The name of a motion path Reply Double click the chart object double click the applications control menu icon double click the motion path Clicking file open Ctrl + h transitions Selecting Formatting toolbar Use the autocorrect wizard Rotate bullet slide Slide maser File Open Drawing tool Auto layouts Ctrl + Home Shift + Click each slide Notes page view custom animation view, master Patterns The ctrl key Eight sizing handles	Starts the slide show Forward Click the chart object double click the document control menu icon click the motion path Pressing ctrl + N ctrl+shift present animations Moving Standard toolbar copy maximize title slide Zoom File, New Auto shapes tool Text holders Ctrl + End Ctrl + Click each slide Outline view preset animation view, slide show Fill colors The shift key Six boxes	An item on the side that performs an action when clicked Attachment Double click the chart object double click the applications control menu icon click the play button Clicking file open Tab transitions Dragging Common tasks toolbar Edit the slide master Rotate title slide Zoom Insert, New slide Text tool box Placeholders Ctrl + Home Shift + Click each slide Outline view slide transition view, slide sorter Automatic The shift key Eight sizing handles
$\begin{array}{r} 36\\ \hline 37\\ \hline 38\\ \hline 39\\ \hline 40\\ \hline 41\\ \hline 42\\ \hline 43\\ \hline 44\\ \hline 45\\ \hline 46\\ \hline 47\\ \hline 48\\ \hline 49\\ \hline 50\\ \hline 51\\ \hline 52\\ \hline 53\\ \hline 54\\ \hline 55\\ \hline 56\\ \hline 57\\ \hline 58\\ \hline 59\\ \hline 60\\ \hline 50\\ \hline \end{array}$	in the context of animations, what is a trigger? If you have a PowerPoint show you created and want to send using email to another teacher you can add the show to your email message as a (an) In order to edit a chart, you can to exit the PowerPoint to preview a motion path effect using the custom animation task pane, you should You can create a new presentation by completing all of the following except To select one hyperlink after another during a slide presentation, what do you press? special effects used to introduce slides in a presentation are called What is the term used when you press and hold the left mouse key and more the mouse around the slide? Which of the following toolbars provide different options in various master views? How can you create a uniform appearance by adding a background image to all slides? What is the term used when a clip art image changes the direction of faces? the slide that is used to introduce a topic and set the tone for the presentation is called Which of the following should be used when you want to add a slide to an existing presentation? Which of the following tool enables you to add text to a slide without using the standard placeholders? Objects on the slide that hold text are called Which command brings you to the first slide in your presentation? Which of the following allow you select more than one slide in a presentation? Which of the following allow you to select more than one slide in a presentation? The PowerPoint view that displays only text (title and bullets) is In Microsoft PowerPoint the entry effect as one slide replaces another in a show is called a (an) In Microsoft PowerPoint the entry effect as one slide replaces another in a show is called a (an) In Microsoft PowerPoint the entry effect as one slide replaces another in a show is called a (an) In Microsoft PowerPoint the entry effect as one slide replaces another in a show is called a (an) In Microsoft PowerPoint the entry effect as one slide replaces another in a show is called	An action button that advances to the next slide Inclusion Triple click the chart object click the application minimize button click the play button Clicking the new button on the standard toolbar Tab effects Highlighting Common tasks toolbar Create a template Group table slide Slide show File, add a new slide Text tool box Placeholders Next slide button Alt + Click each slide Slide show animation view, slide sorter Template The spacebar Two corner handles	An item on the side that performs an action when clicked Attachment Click and drag the chart object click the document close button click the show effect button Clicking file, new Ctrl + K custom animations Dragging Drawing toolbar Edit the slide master Flip graph slide Insert Insert Insert, New slide Line tool Object holders Page up Shift + drag each slide Slide sorter view slide transition view, slide Automatic The alt key Six middle handles	The name of a motion path Reply Double click the chart object double click the applications control menu icon double click the motion path Clicking file open Ctrl + h transitions Selecting Formatting toolbar Use the autocorrect wizard Rotate bullet slide Slide maser File Open Drawing tool Auto layouts Ctrl + Home Shift + Click each slide Notes page view custom animation view, master Patterns The ctrl key Eight sizing handles	Starts the slide show Forward Click the chart object double click the document control menu icon click the motion path Pressing ctrl + N ctrl+shift present animations Moving Standard toolbar copy maximize title slide Zoom File, New Auto shapes tool Text holders Ctrl + End Ctrl + Click each slide Outline view preset animation view, slide show Fill colors The shift key Six boxes	An item on the side that performs an action when clicked Attachment Double click the chart object double click the applications control menu icon click the play button Clicking file open Tab transitions Dragging Common tasks toolbar Edit the slide master Rotate title slide Zoom Insert, New slide Text tool box Placeholders Ctrl + Home Shift + Click each slide Outline view slide transition view, slide sorter Automatic The shift key Eight sizing handles
$\begin{array}{r} 36\\ 37\\ 38\\ 39\\ 40\\ 41\\ 42\\ 43\\ 44\\ 45\\ 46\\ 47\\ 48\\ 49\\ 50\\ 51\\ 52\\ 53\\ 54\\ 55\\ 56\\ 57\\ 58\\ 59\\ 60\\ 50\\ 50\\ \end{array}$	in the context of animations, what is a trigger? If you have a PowerPoint show you created and want to send using email to another teacher you can add the show to your email message as a (an) In order to edit a chart, you can to exit the PowerPoint to preview a motion path effect using the custom animation task pane, you should You can create a new presentation by completing all of the following except To select one hyperlink after another during a slide presentation, what do you press? special effects used to introduce slides in a presentation are called What is the term used when you press and hold the left mouse key and more the mouse around the slide? Which of the following toolbars provide different options in various master views? How can you create a uniform appearance by adding a background image to all slides? What is the term used when a clip art image changes the direction of faces? the slide that is used to introduce a topic and set the tone for the presentation is called Which of the following features should you use when typing in the notes text box? Which of the following features should you use when typing in the notes text box? Which of the following isolue ables you to add text to a slide without using the standard placeholders? Objects on the slide that lod text are called Which of the following you to the first slide in your presentation? The PowerPoint view that displays only text (title and bullets) is In Microsoft PowerPoint in order to see all the slides on one side in a presentation? Which of the following should be used when you want to adv a presentation? Which of the following should be used with the mouse screen use Which of the following should be used when you and to draw a perfect shape? Which of the following should be used with the mouse when you want to draw a perfect shape? Which of the following should be used with the mouse when you want to draw a perfect shape? Which of the following should be used with the mouse when you want to draw a perfect sha	An action button that advances to the next slide Inclusion Triple click the chart object click the application minimize button click the play button Clicking the new button on the standard toolbar Tab effects Highlighting Common tasks toolbar Create a template Group table slide Slide show File, add a new slide Text tool box Placeholders Next slide button Alt + Click each slide Slide show animation view, slide sorter Template The spacebar Two corner handles	An item on the slide that performs an action when clicked Attachment Click and drag the chart object click the document close button click the show effect button Clicking file, new Ctrl + K custom animations Dragging Drawing toolbar Edit the slide master Flip graph slide Insert Insert I Insert, New slide Line tool Object holders Page up Shift + drag each slide Slide sorter view slide transition view, slide Automatic The alt key Six middle handles count	The name of a motion path Reply Double click the chart object double click the applications control menu icon double click the motion path Clicking file open Ctrl + h transitions Selecting Formatting toolbar Use the autocorrect wizard Rotate bullet slide Slide maser File Open Drawing tool Auto layouts Ctrl + Home Shift + Click each slide Notes page view custom animation view, master Patterns The ctrl key Eight sizing handles	Starts the slide show Forward Click the chart object double click the document control menu icon click the motion path Pressing ctrl + N ctrl+shift present animations Moving Standard toolbar copy maximize title slide Zoom File, New Auto shapes tool Text holders Ctrl + End Ctrl + Click each slide Outline view preset animation view, slide show Fill colors The shift key Six boxes	An item on the side that performs an action when clicked Attachment Double click the chart object double click the applications control menu icon click the play button Clicking file open Tab transitions Dragging Common tasks toolbar Edit the slide master Rotate title slide Zoom Insert, New slide Text tool box Placeholders Ctrl + Home Shift + Click each slide Outline view slide transition view, slide sorter Automatic The shift key Eight sizing handles
$ \begin{array}{r} 338 \\ 37 \\ 38 \\ 39 \\ 40 \\ 41 \\ 42 \\ 43 \\ 44 \\ 45 \\ 46 \\ 47 \\ 48 \\ 49 \\ 50 \\ 51 \\ 52 \\ 53 \\ 54 \\ 55 \\ 56 \\ 57 \\ 58 \\ 59 \\ 60 \\ 50 \\ 50 \\ 50 \\ 51 \\ 52 \\ 53 \\ 54 \\ 55 \\ 56 \\ 57 \\ 58 \\ 59 \\ 60 \\ 50 \\ 50 \\ 51 \\ 50 $	in the context of animations, what is a trigger? If you have a PowerPoint show you created and want to send using email to another teacher you can add the show to your email message as a (an) In order to edit a chart, you can to exit the PowerPoint to preview a motion path effect using the custom animation task pane, you should You can create a new presentation by completing all of the following except To select one hyperlink after another during a slide presentation, what do you press? special effects used to introduce slides in a presentation are called What is the term used when you press and hold the left mouse key and more the mouse around the slide? Which of the following toolbars provide different options in various master views? How can you create a uniform appearance by adding a background image to all slides? What is the term used when a clip art image changes the direction of faces? the slide that is used to introduce a topic and set the tone for the presentation is called Which of the following features should you use when typing in the notes text box? Which of the following isola be used when you and to ad a slide to an existing presentation? Which of the following isola be used when to a slide without using the standard placeholders? Objects on the slide that hold text are called Which of the following should be used more than one slide in a presentation? With which of the following allow you to select more than one slide in a presentation? The PowerPoint view that displays only text (tile and bullets) is In Microsoft PowerPoint in order to see all the slides on one screen use Which of the following options changes the fill color of an object back to the default color? Which of the following options changes the fill color of an object back to the default color? Which of the following options changes the fill color of an object back to the default color? Which of the following options changes the fill color of an object back to the default color? Which of the following opti	An action button that advances to the next slide Inclusion Triple click the chart object click the application minimize button click the play button Clicking the new button on the standard toolbar Tab effects Highlighting Common tasks toolbar Create a template Group table slide Slide show File, add a new slide Text tool box Placeholders Next slide button Alt + Click each slide Slide show animation view, slide sorter Template The spacebar Two corner handles	An item on the slide that performs an action when clicked Attachment Click and drag the chart object click the document close button click the show effect button Clicking file, new Ctrl + K custom animations Dragging Drawing toolbar Edit the slide master Flip graph slide Insert Insert, New slide Line tool Object holders Page up Shift + drag each slide Slide sorter view slide transition view, slide Automatic The alt key Six middle handles count reset	The name of a motion path Reply Double click the chart object double click the applications control menu icon double click the motion path Clicking file open Ctrl + h transitions Selecting Formatting toolbar Use the autocorrect wizard Rotate bullet slide Slide maser File Open Drawing tool Auto layouts Ctrl + Home Shift + Click each slide Notes page view custom animation view, master Patterns The ctrl key Eight sizing handles behave class	Starts the slide show Forward Click the chart object double click the document control menu icon click the motion path Pressing ctrl + N ctrl+shift present animations Moving Standard toolbar copy maximize title slide Zoom File, New Auto shapes tool Text holders Ctrl + End Ctrl + Click each slide Outline view preset animation view, slide show Fill colors The shift key Six boxes	An item on the side that performs an action when clicked Attachment Double click the chart object double click the applications control menu icon click the play button Clicking file open Tab transitions Dragging Common tasks toolbar Edit the slide master Rotate title slide Zoom Insert, New slide Text tool box Placeholders Ctrl + Home Shift + Click each slide Outline view slide transition view, slide sorter Automatic The shift key Eight sizing handles
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KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed University Established Under Section 3 of UGC Act 1956) Coimbatore - 641021. (For the candidates admitted from 2016 onwards) DEPARTMENT OF COMMERCE (CA)

SUBJECT	: INTRODUCTION TO INF	ORMATION TECHN	OLOGY	
SEMESTER	:I			
SUBJECT CO	DE: 17CCU102	CLASS	:	I B.COM CA

POSSIBLE QUESTIONS PART A (1 MARK) (Online Examinations) PART B (2 MARKS)

- 1. What is data?
- 2. What is autofill ?Give example
- 3. What is a Presentation?
- 4. Define SpreadSheet
- 5. Define Slide Sorter
- 6. What is slide Transition
- 7. What does pivot table means?
- 8. What is the difference between data and information?
- 9. What is slide master?
- 10. What is animation?

PART C (6 MARKS)

- 1. How are Formulas useful in MS Excel? Explain with example
- 2. Explain slide Design and transition with example.
- 3. Explain the formulas and its application in MS Excel with example
- 4. Explain custom animation and slide transition

- How are charts useful in MS Excel? Explain any three available in MS Excel
- 6. Explain slide show and Inserting Media into presentation
- 7. Explain steps in insertion and deletion of a worksheet
- 8. Explain insert option in MS Power point in detail
- 9. Explain the features of MS Excel
- 10. Explain the view option in MS Power point



KARPAGAM ACADEMY OF HIGHER EDUCATION (Deemed University Established Under Section 3 of UGC Act 1956) Coimbatore - 641021. (For the candidates admitted from 2016 onwards) DEPARTMENT OF COMMERCE (CA)

SUBJECT: INTRODUCTION TO INFORMATION TECHNOLOGYSEMESTER: ISUBJECT CODE: 17CCU102CLASSCLASS:

Unit V

Internet, E- Commerce and E-Mail: E-Commerce: Meaning, Advantages and limitations, Application of ecommerce – E-mail – Creation of e-mail Id – Group communication – Tele conferencing – Video Conferencing – File Exchange – Bandwidth – Modem – Network Topologies – Network Types LAN, MAN, WAN and their architecture – Dial Up access.

Unit V

Internet

A means of connecting a computer to any other computer anywhere in the world via dedicated routers and servers. When two computers are connected over the Internet, they can send and receive all kinds of information such as text, graphics, voice, video, and computer programs. No one owns Internet, although several organizations the world over collaborate in its functioning and development. The high-speed, fiberoptic cables (called backbones) through which the bulk of the Internet data travels are owned by telephone companies in their respective countries.

The Internet grew out of the Advanced Research Projects Agency's Wide Area Network (then called ARPANET) established by the US Department Of Defense in 1960s for collaboration in military research among business and government laboratories.

Later universities and other US institutions connected to it. This resulted in ARPANET growing beyond everyone's expectations and acquiring the name 'Internet.'

The development of hypertext based technology (called World Wide web, WWW, or just the Web) provided means of displaying text, graphics, and animations, and easy search and navigation tools that triggered Internet's explosive worldwide growth.

E-Commerce

ommerce or Electronics Commerce is a methodology of modern business, which addresses the need of business organizations, vendors and customers to reduce cost and improve the quality of goods and services while increasing the speed of delivery. E commerce refers to the paperless exchange of business Information using the following ways:

- □ Electronic Data Exchange (EDI)
- □ Electronic Mail (e-mail)
- □ Electronic Bulletin Boards
- □ Electronic Fund Transfer (EFT)

Advantages of E-Commerce

The advantages of e-commerce can be broadly classified into three major categories:

- □ Advantages to Organizations
- \Box Advantages to Consumers
- \Box Advantages to Society

Advantages to Organizations

Using e-commerce, organizations can expand their market to national and international markets with minimum capital investment. An organization can easily locate more customers, best suppliers, and suitable business partners across the globe.

- E-commerce helps organizations to reduce the cost to create process, distribute, retrieve and manage the paper based information by digitizing the information.
- > E-commerce improves the brand image of the company.
- > E-commerce helps organizations to provide better customer service.
- E-commerce helps to simplify the business processes and makes them faster and efficient.
- > E-commerce reduces the paper work.
- E-commerce increases the productivity of organizations. It supports "pull" type supply management. In "pull" type supply management, a business process starts when a request comes from a customer and it uses just-in-time manufacturing way.

Advantages to Consumers

- It provides 24x7 support. Customers can enquire about a product or service and place orders anytime, anywhere from any location.
- E-commerce application provides users with more options and quicker delivery of products.
- E-commerce application provides users with more options to compare and select the cheaper and better options.

- A customer can put review comments about a product and can see what others are buying, or see the review comments of other customers before making a final purchase.
- > E-commerce provides options of virtual auctions.
- It provides readily available information. A customer can see the relevant detailed information within seconds, rather than waiting for days or weeks.
- E-Commerce increases the competition among organizations and as a result, an organization provides substantial discounts to customers.

Advantages to Society

- Customers need not travel to shop a product, thus less traffic on road and low air pollution.
- E-commerce helps in reducing the cost of products, so less affluent people can also afford the products.
- E-commerce has enabled rural areas to access services and products, which are otherwise not available to them.
- E-commerce helps the government to deliver public services such as healthcare, education, social services at a reduced cost and in an improved manner.

The Limitations of EC

The limitations of EC can be grouped into technical and nontechnical categories.

Technical Limitations of EC

The technical limitations of EC are as follows:

- There is a lack of system security, reliability, standards, and some communication protocols.
- > There is insufficient telecommunication bandwidth.
- The software development tools are still evolving and changing rapidly.
- It is difficult to integrate the Internet and EC software with some existing applications and databases.
- Vendors may need special Web servers and other infrastructures, in addition to the network servers.
- Some EC software might not fit with some hardware, or may be incompatible with some operating systems or other components.

As time passes, these limitations will lessen or be overcome; appropriate planning can minimize their impact.

NonTechnical Limitations

Of the many nontechnical limitations that slow the spread of EC, the following are the major ones.

Cost and justification The cost of developing EC in-house can be very high, and mistakes due to lack of experience may result in delays. There are many opportunities for outsourcing, but where and how to do it is not a simple issue. Furthermore, to justify the system one must deal with some intangible benefits (such as improved customer service and the value of advertisement), which are difficult to quantify. \cdot Security and privacy These issues are especially important in the B2C area, especially security issues which are perceived to be more serious than they really are when appropriate encryption is used. Privacy measures are constantly improved. Yet, the customers perceive these issues as very important, and, the EC industry has a very long and difficult task of convincing customers that online transactions and privacy are, in fact, very secure.

- Lack of trust and user resistance Customers do not trust an unknown faceless seller (sometimes they do not trust even known ones), paperless transactions, and electronic money. So switching from physical to virtual stores may be difficult. · Other limiting factors. Lack of touch and feel online. Some customers like to touch items such as clothes and like to know exactly what they are buying. · Many legal issues are as yet unresolved, and government regulations and standards are not refined enough for many circumstances. · Electronic commerce, as a discipline, is still evolving and changing rapidly. Many people are looking for a stable area before they enter into it.
- There are not enough support services. For example, copyright clearance centers for EC transactions do not exist, and highquality evaluators, or qualified EC tax experts, are rare. In most applications there are not yet enough sellers and buyers for profitable EC operations.
- Electronic commerce could result in a breakdown of human relationships. · Accessibility to the Internet is still expensive and/or inconvenient for many potential customers. (With Web TV,

cell telephone access, kiosks, and constant media attention, the critical mass will eventually develop.)

Despite these limitations, rapid progress in EC is taking place. For example, the number of people in the United States who buy and sell stocks electronically increased from 300,000 at the beginning of 1996 to about 10 million in fall 1999. As experience accumulates and technology improves, the ratio of EC benefits to costs will increase, resulting in a greater rate of EC adoption. The potential benefits may not be convincing enough reasons to start EC activities

APPLICATIONS OF E-COMMERCE:

The applications of E-commerce are used in various business areas such as retail and wholesale and manufacturing. The most common Ecommerce applications are as follows:

Retail and wholesale:

E-commerce has a number of applications in retail and wholesale. Eretailing or on-line retailing is the selling of goods from Business-to-Consumer through electronic stores that are designed using the electronic catalog and shopping cart model. Cybermall is a single Website that offers different products and services at one Internet location. It attracts the customer and the seller into one virtual space through a Web browser.

Marketing:

Data collection about customer behavior, preferences, needs and buying patterns is possible through Web and E-commerce. This helps marketing activities such as price fixation, negotiation, product feature enhancement and relationship with the customer

Finance:

Financial companies are using E-commerce to a large extent. Customers can check the balances of their savings and loan accounts, transfer money to their other account and pay their bill through on-line banking or E-banking. Another application of E-commerce is on-line stock trading. Many Websites provide access to news, charts, information about company profile and analyst rating on the stocks. **Manufacturing:**

E-commerce is also used in the supply chain operations of a company. Some companies form an electronic exchange by providing together buy and sell goods, trade market information and run back office information such as inventory control. This speeds up the flow of raw material and finished goods among the members of the business community. Various issues related to the strategic and competitive issues limit the implementation of the business models. Companies may not trust their competitors and may fear that they will lose trade secrets if they participate in mass electronic exchanges. **Auctions:**

Customer-to-Customer E-commerce is direct selling of goods and services among customers. It also includes electronic auctions that involve bidding. Bidding is a special type of auction that allows prospective buyers to bid for an item. For example, airline companies give the customer an opportunity to quote the price for a seat on a specific route on the specified date and time.

Email

Short for *electronic mail*, email (or e-mail) is defined *as* the transmission of messages over communications networks. Typically the messages are notes entered from the keyboard or electronic files stored on disk. Most mainframes, minicomputers, and computer networks have an email system. Some electronic mail systems are confined to a single computer system or network, but others have gateways to other computer systems, enabling users to send electronic mail anywhere in the world. Companies that are fully computerized make extensive use of e-mail because it is fast, flexible, and reliable.

Steps to create email account

Follow the steps below to create email account enjoy the great mail.com emailing experience:

- Click on the Free Sign Up Button
- Enter all mandatory fields (First Name, Last Name, Gender, etc.)
- Type in your desired Email Address out of our huge selection of 200 available domains (e.g. biker.com, accountant.com, chef.net, gmail, yahoo, etc.)
- Choose a secure Password (at least 8 characters, mixing letters, numbers, lower and upper case, and using special characters)
- Select your Security Question, type in your Answer
- Verify your registration by typing the numbers in the captcha picture
- Click the "Accept" Button underneath

That's it! You're done. Enjoy your new email account immediately on any device of your choice!

Typical Components of an Email System

Most e-mail systems include a rudimentary text editor for composing messages, but many allow you to edit your messages using any editor you want. Some systems will also provide basic formatting, including bold, italics, font color and HTML. You can use the program to send the message to a recipient by specifying the recipient's address. You can also send the same message to several users at once. This is called *broadcasting.* Sent messages are stored in electronic mailboxes until the recipient fetches them. To see if you have any mail, you may have to check your electronic mailbox periodically, although many systems alert you when mail is received. After reading your mail, you can store it in a text file, forward it to other users, or delete it. Copies of memos can be printed out on a printer if you want a paper copy.

Group Communication

Group communication refers to the interaction between members of a small group of individuals. Quality communication leads to effective group decision making and project completion.



C. Small group communication

More than two members involved in communication process will become a group communication. If least number of persons is involved in the group communication is called as small group communication. In this communication process, everyone becomes a Source as well as receiver through sharing information and gives feedback to another.

Group communication applies to groups containing between three and 20 people. Communication between two people is a dialog, and larger groups are unable to use group communication effectively. Quality group communication involves a facilitator and group members with a sense of belonging, common goals and mutual respect. Both verbal and nonverbal communication are components of group communication.

Successful group communication is essential in a business environment. Many variables come into play, starting with the seating arrangement. A circular seating arrangement allows all group members to make eye contact and interact with all other members. This forms the foundation for a web network style of communication, with all group members sharing ideas with each other. Sociologists find this type of group communication arrangement to be the most effective for generating ideas, making decisions and solving problems.

When the primary purpose of a group is to share information, an alternate arrangement is preferable. This form of group communication starts with a seating arrangement that emphasizes the group leader: for example a long table with the leader at one end. The leader presents information and group members give feedback.

Teleconferencing

A teleconference is a telephone meeting among two or more participants involving technology more sophisticated than a simple two-way phone connection. At its simplest, a teleconference can be an audio conference with one or both ends of the conference sharing a speaker phone. With considerably more equipment and special arrangements, a teleconference can be a conference, called a videoconference, in which the participants can see still or motion video images of each other. Because of the high bandwidth of video and the opportunity for larger and multiple display screens, a videoconference requires special telecommunication arrangements and a special room at each end. As equipment and highbandwidth cabling become more commonplace, it's possible that videoconferences can be held from your own computer or even in a mobile setting

File transfer is a generic term for the act of transmitting files over a computer network like the Internet. There are numerous ways and protocols to transfer files over a network. Computers which provide a file transfer service are often called file servers. Depending on the client's perspective the data transfer is called uploading or downloading. File transfer for the enterprise now increasingly is done with Managed file transfer.

There are 2 types of file transfers:

- Pull-based file transfers where the receiver initiates a file transmission request
- Push-based file transfers where the sender initiates a file transmission request.

File transfer can take place over a variety of levels:

- Transparent file transfers over network file systems
- Explicit file transfers from dedicated file transfer services like FTP or HTTP
- Distributed file transfers over peer-to-peer networks like Bittorent or Gnutella
- In IBM Systems Network Architecture, LU 6.2 peer-to-peer file transfer programs such as IBM's Connect:Direct and CA Technologies' XCOM Data Transport
- File transfers over instant messaging or LAN messenger
- File transfers between computers and peripheral devices
- File transfers over direct modem or serial (null modem) links, such as XMODEM, YMODEM and ZMODEM.

Protocols:

A file transfer protocol is a convention that describes how to transfer files between two computing endpoints. They are meant solely to send the stream of bits stored as a single unit in a file system, plus any relevant metadata such as thefilename, file size and timestamp. File transfer protocols usually operate on top of a lower-level protocol in a protocol stack. For example, the HTTP protocol operates at the topmost application layer of the TCP/IP stack, whereas XMODEM,YMODEM, and ZMODEM typically operate across RS-232 serial connections.

Bandwidth is defined as a range within a band of frequencies or wavelengths. Bandwidth is also defined as the amount of data that can

be transmitted in a fixed amount of time. For digital devices, the bandwidth is usually expressed in bits per second(bps) orbytes per second. For analog devices, the bandwidth is expressed in cycles per second, or Hertz (Hz).

The bandwidth is particularly important for I/O devices. For example, a fast disk drive can be hampered by a bus with a low bandwidth. This is the main reason that new buses, such as AGP, have been developed for the PC.

Modem:



(mo⁻dem) (n.) Short for **mo***dulator*-**dem***odulator*. A modem is adevice or program that enables a computer to transmit data over, for example, telephone or cable lines. Computer information isstored digitally, whereas information transmitted over telephone lines is transmitted in the form of analog waves. A modemconverts between these two forms.

Standard Modem Interface

Fortunately, there is one standard interface for connecting external modems to computers called RS-232.Consequently, any external modem can be attached to any computer that has an RS-232 port, which almost

allpersonal computers have. There are also modems that come as an expansion board that you can insert into a vacant expansion slot. These are sometimes called onboard or internal modems.

Types of Network Topology

Network Topology is the schematic description of a network arrangement, connecting various nodes(sender and receiver) through lines of connection.

BUS Topology

Bus topology is a network type in which every computer and network device is connected to single cable. When it has exactly two endpoints, then it is called **Linear Bus topology**.



Features of Bus Topology

- 1. It transmits data only in one direction.
- 2. Every device is connected to a single cable

Advantages of Bus Topology

- 1. It is cost effective.
- 2. Cable required is least compared to other network topology.
- 3. Used in small networks.
- 4. It is easy to understand.
- 5. Easy to expand joining two cables together.

Disadvantages of Bus Topology

- 1. Cables fails then whole network fails.
- 2. If network traffic is heavy or nodes are more the performance of the network decreases.
- 3. Cable has a limited length.
- 4. It is slower than the ring topology.

Ring Topology

It is called ring topology because it forms a ring as each computer is connected to another computer, with the last one connected to the first. Exactly two neighbours for each device.



Features of Ring Topology

- A number of repeaters are used for Ring topology with large number of nodes, because if someone wants to send some data to the last node in the ring topology with 100 nodes, then the data will have to pass through 99 nodes to reach the 100th node. Hence to prevent data loss repeaters are used in the network.
- The transmission is unidirectional, but it can be made bidirectional by having 2 connections between each Network Node, it is called **Dual Ring Topology**.
- 3. In Dual Ring Topology, two ring networks are formed, and data flow is in opposite direction in them. Also, if one ring fails, the second ring can act as a backup, to keep the network up.
- 4. Data is transferred in a sequential manner that is bit by bit. Data transmitted, has to pass through each node of the network, till the destination node.

Advantages of Ring Topology

- 1. Transmitting network is not affected by high traffic or by adding more nodes, as only the nodes having tokens can transmit data.
- 2. Cheap to install and expand

Disadvantages of Ring Topology

- 1. Troubleshooting is difficult in ring topology.
- 2. Adding or deleting the computers disturbs the network activity.
- 3. Failure of one computer disturbs the whole network.

STAR Topology

In this type of topology all the computers are connected to a single hub through a cable. This hub is the central node and all others nodes are connected to the central node.



Features of Star Topology

- 1. Every node has its own dedicated connection to the hub.
- 2. Hub acts as a repeater for data flow.
- 3. Can be used with twisted pair, Optical Fibre or coaxial cable.

Advantages of Star Topology

- 1. Fast performance with few nodes and low network traffic.
- 2. Hub can be upgraded easily.
- 3. Easy to troubleshoot.
- 4. Easy to setup and modify.
- 5. Only that node is affected which has failed, rest of the nodes can work smoothly.

Disadvantages of Star Topology

- 1. Cost of installation is high.
- 2. Expensive to use.
- 3. If the hub fails then the whole network is stopped because all the nodes depend on the hub.
- 4. Performance is based on the hub that is it depends on its capacity

MESH Topology

It is a point-to-point connection to other nodes or devices. All the network nodes are connected to each other. Mesh has n(n-2)/2 physical channels to link n devices.

There are two techniques to transmit data over the Mesh topology, they are :

- 1. Routing
- 2. Flooding

Routing

In routing, the nodes have a routing logic, as per the network requirements. Like routing logic to direct the data to reach the destination using the shortest distance. Or, routing logic which has information about the broken links, and it avoids those node etc. We can even have routing logic, to re-configure the failed nodes.

Flooding

In flooding, the same data is transmitted to all the network nodes, hence no routing logic is required. The network is robust, and the its very unlikely to lose the data. But it leads to unwanted load over the network.



Types of Mesh Topology

- 1. **Partial Mesh Topology :** In this topology some of the systems are connected in the same fashion as mesh topology but some devices are only connected to two or three devices.
- 2. **Full Mesh Topology :** Each and every nodes or devices are connected to each other.

Features of Mesh Topology

- 1. Fully connected.
- 2. Robust.
- 3. Not flexible.

Advantages of Mesh Topology

1. Each connection can carry its own data load.

- 2. It is robust.
- 3. Fault is diagnosed easily.
- 4. Provides security and privacy.

Disadvantages of Mesh Topology

- 1. Installation and configuration is difficult.
- 2. Cabling cost is more.
- 3. Bulk wiring is required.

TREE Topology

It has a root node and all other nodes are connected to it forming a hierarchy. It is also called hierarchical topology. It should at least have three levels to the hierarchy.



Features of Tree Topology

- 1. Ideal if workstations are located in groups.
- 2. Used in Wide Area Network.

Advantages of Tree Topology

- 1. Extension of bus and star topologies.
- 2. Expansion of nodes is possible and easy.
- 3. Easily managed and maintained.
- 4. Error detection is easily done.

Disadvantages of Tree Topology

- 1. Heavily cabled.
- 2. Costly.
- 3. If more nodes are added maintenance is difficult.
- 4. Central hub fails, network fails.

HYBRID Topology

It is two different types of topologies which is a mixture of two or more topologies. For example if in an office in one department ring topology is used and in another star topology is used, connecting these topologies will result in Hybrid Topology (ring topology and star topology).



Features of Hybrid Topology

- 1. It is a combination of two or topologies
- 2. Inherits the advantages and disadvantages of the topologies included

Advantages of Hybrid Topology

- 1. Reliable as Error detecting and trouble shooting is easy.
- 2. Effective.
- 3. Scalable as size can be increased easily.
- 4. Flexible.

Disadvantages of Hybrid Topology

- 1. Complex in design.
- 2. Costly.

TYPES OF NETWORK

Local Area Network (LAN)

This is one of the original categories of network, and one of the simplest. LANnetworks connect computers together over relatively small distances, such as within a single building or within a small group of buildings.



Local Area Network (LAN) - www.certiology.com

Homes often have LAN networks too, especially if there is more than one device in the home. Often they do not contain more than one subnet, if any, and are usually controlled by a single administrator. They do not have to be connected to the internet to work, although they can be.

Wide Area Network (WAN)

This is another of the original categories of network, and slightly more complex in nature. WAN networks connect computers together over large physical distances, remotely connecting them over one huge network and allowing them to communicate even when far apart. The Internet is a WAN, and connects computers all around the world together.



LANs connect to WANs, such as the internet, using routers to transfer data and information quickly and securely. WANs are usually too large to be controlled by one administrator, and so usually have collective ownership, or in the case of the internet, is publicly owned.

Other Types of Network

There are also other types of network you may encounter. Some of these are different, but most are simply developed from LAN and WAN networks to have slight difference and adapt to different user needs. These include:

Metropolitan Area Network – This is a network which is larger than a LAN but smaller than a WAN, and incorporates elements of both. It typically spans a town or city and is owned by a single person or company, such as a local council or a large company.



Campus Area Network – This is a network which is larger than a LAN, but smaller than an MAN. This is typical in areas such as a university, large school or small business. It is typically spread over a collection of buildings which are reasonably local to each other. It may have an internal Ethernet as well as capability of connecting to the internet.


Wireless Local Area Network – This is a LAN which works using wireless network technology such as Wi-Fi. This type of network is becoming more popular as wireless technology is further developed and is used more in the home and by small businesses. It means devices do not need to rely on physical cables and wires as much and can organise their spaces more effectively.



Internet 2017-2020 Batch

System Area Network – This network connects computers together on an especially high- speed connection, in a configuration known as a cluster. This means computers which are connected together so as to work as a single system, and can be done as a result of very high speed computers and new low cost microprocessors. They are usually used to improve performance and for cost effectiveness.



Storage Area Network – This network connects servers directly to devices which store amounts of data without relying on a LAN or WAN network to do so. This can involve another type of connection known as Fibre Channel, a system similar to Ethernet whichhandles high-performance disk storage for applications on a number of professional

networks.



Storage Area Network - www.certiology.com

Open Systems Interconnect Layer:

The Open Systems Interconnect (OSI) model has seven layers. This article describes and explains them, beginning with the 'lowest' in the hierarchy (the physical) and proceeding to the 'highest' (the application). The layers are stacked this way:

- Application
- Presentation
- Session
- Transport
- Network
- Data Link
- Physical

PHYSICAL LAYER

The physical layer, the lowest layer of the OSI model, is concerned with the transmission and reception of the unstructured raw bit stream over a physical medium. It describes the electrical/optical, mechanical, and functional interfaces to the physical medium, and carries the signals for all of the higher layers. It provides:

- Data encoding: modifies the simple digital signal pattern (1s and 0s) used by the PC to better accommodate the characteristics of the physical medium, and to aid in bit and frame synchronization. It determines:
 - What signal state represents a binary 1
 - How the receiving station knows when a "bit-time" starts
 - How the receiving station delimits a frame
- Physical medium attachment, accommodating various possibilities in the medium:
 - Will an external transceiver (MAU) be used to connect to the medium?
 - How many pins do the connectors have and what is each pin used for?
- Transmission technique: determines whether the encoded bits will be transmitted by baseband (digital) or broadband (analog) signaling.
- Physical medium transmission: transmits bits as electrical or optical signals appropriate for the physical medium, and determines:
 - What physical medium options can be used
 - How many volts/db should be used to represent a given signal state, using a given physical medium

DATA LINK LAYER

The data link layer provides error-free transfer of data frames from one node to another over the physical layer, allowing layers above it to assume virtually error-free transmission over the link.

To do this, the data link layer provides:

- Link establishment and termination: establishes and terminates the logical link between two nodes.
- Frame traffic control: tells the transmitting node to "back-off" when no frame buffers are available.
- Frame sequencing: transmits/receives frames sequentially.
- Frame acknowledgment: provides/expects frame acknowledgments. Detects and recovers from errors that occur in the physical layer by retransmitting non- acknowledged frames and handling duplicate frame receipt.
- Frame delimiting: creates and recognizes frame boundaries.
- Frame error checking: checks received frames for integrity.
- Media access management: determines when the node "has the right" to use the physical medium.

NETWORK LAYER

The network layer controls the operation of the subnet, deciding which physical path the data should take based on network conditions, priority of service, and other factors. It provides:

Routing: routes frames among networks.

• Subnet traffic control: routers (network layer intermediate systems)

can instruct a sending station to "throttle back" its frame transmission when the router's buffer fills up.

• Frame fragmentation: if it determines that a downstream router's maximum transmission unit (MTU) size is less than the frame size, a router can fragment a frame for transmission and re-assembly at the destination station.



- Logical-physical address mapping: translates logical addresses, or names, into physical addresses.
- Subnet usage accounting: has accounting functions to keep track of frames forwarded by subnet intermediate systems, to produce billing information.

In the network layer and the layers below, peer protocols exist between a node and its immediate neighbor, but the neighbor may be a node through which data is routed, not the destination station. The source and destination stations may be separated by many intermediate systems.

TRANSPORT LAYER

The transport layer ensures that messages are delivered error-free, in sequence, and with no losses or duplications. It relieves the higher layer protocols from any concern with the transfer of data between them and their peers. The size and complexity of a transport protocol depends on the type of service it can get from the network layer. For a reliable network layer with virtual circuit capability, a minimal transport layer is required. If the network layer is unreliable and/or only supports datagrams, the transport protocol should include extensive error detection and recovery.

The transport layer provides:

- Message segmentation: accepts a message from the (session) layer above it, splits the message into smaller units (if not already small enough), and passes the smaller units down to the network layer. The transport layer at the destination station reassembles the message.
- Message acknowledgment: provides reliable end-to-end message delivery with acknowledgments.
- Message traffic control: tells the transmitting station to "back-off" when no message buffers are available.
- Session multiplexing: multiplexes several message streams, or sessions onto one logical link and keeps track of which messages belong to which sessions (see session layer).

SESSION LAYER

The session layer allows session establishment between processes running on different stations. It provides:

- Session establishment, maintenance and termination: allows two application processes on different machines to establish, use and terminate a connection, called a session.
- Session support: performs the functions that allow these processes to communicate over the network, performing security, name recognition, logging, and so on.

PRESENTATION LAYER

The presentation layer formats the data to be presented to the application layer. It can be viewed as the translator for the network. This layer may translate data from a format used by the application layer into a common format at the sending station, then translate the common format to a format known to the application layer at the receiving station.

The presentation layer provides:

- Character code translation: for example, ASCII to EBCDIC.
- Data conversion: bit order, CR-CR/LF, integer-floating point, and so on.
- Data compression: reduces the number of bits that need to be transmitted on the network.
- Data encryption: encrypt data for security purposes. For example, password encryption.

APPLICATION LAYER

The application layer serves as the window for users and application processes to access network services. This layer contains a variety of commonly needed functions:

- Resource sharing and device redirection
- Remote file access
- Remote printer access
- Inter-process communication
- Network management
- Directory services
- Electronic messaging (such as mail)
- Network virtual terminals

Dial-Up Access:

Refers to connecting a device to a network via a modem and a public telephone network. Dial-up access is really just like a phone connection, except that the parties at the two ends are computer devices rather than people. Because dial-up access uses normal telephone lines, the quality of the connection is not always good and data rates are limited. In the past, the maximum data rate with dial-up access was 56 Kbps (56,000 bits per second), but new technologies such as ISDN are providing faster rates. An alternative way to connect two computers is through a *leased line*, which is a permanent connection between two devices. Leased lines provide faster through put and better quality connections, but they are also more expensive.



KARPAGAM ACADEMY OF HIGHER EDUCATION (Deemed University Established Under Section 3 of UGC Act 1956) Coimbatore - 641021. (For the candidates admitted from 2016 onwards) **DEPARTMENT OF COMMERCE (CA)**

SUBJECT: : INTRODUCTION TO INFORMATION TECHNOLOGY SEMESTER : I SUBJECT CODE: 17CCU102 CLASS : I B.COM CA

UNIT V

SNO	OUESTIONS	ODTION 1	OPTION 2	ODTION 2	ODTION 4	ANGWED
5.110			OF HON 2	OF HON 3		
1	All of the following are considered biometrics, except:	Fingerprint	Retina	Password	Voice	Password
2	Which is the most important component of IT?	Information	People	Information technology	Computers	People
3	Unsolicited e-mail is called what?	Junk mail	Spam	Extra mail	trash	Spam
1	What is the name of the new anti-Snam hill?	No-Snam	CAN-Snam	Snam-Away	Ston Snam	r CAN-Snam
- 4	What is the least metasticn efforded on comparison of an idea such as a sone widea come and some times of					
5	what is the legal protection afforded an expression of an idea, such as a song, video game, and some types of	Ethics	Intellectual property	Copyright	Fair Use Doctrine	Copyright
	proprietary documents?	Fair Use Destring	Direct of a constant	Counterfait astrong	Deriver and	Director de conference
6	what is the unauthorized use, duplication, distribution of sale of copyrighted software?	Fair Use Doctrine	Pirated software	Counterfeit software	Privacy	Pirated software
7	What is a fully-equipped computer that you wear as a piece of clothing or attached to a piece of clothing similar to	Wearable computer	GPS	Implant chip	Bluetooth	Wearable computer
	the way you would carry your cell phone on your belt?					
8	What is a technology-enabled microchip implanted into the human body?	Wearable computer	GPS	Implant chip	Bluetooth	Implant chip
9	Smart card is better protected than other cards using	Encryption	Firewall	Hub	router	Encryption
10	Which of the following can be used to help identify people in a crowd?	Biochip	Implant chip	Facial recognition software	Vision chip	Facial recognition software
11	Which one is also known as plastic money?	Credit card	Debit card	Paper cash	Visa	Credit card
12		Dronoid	Destroid	Doth propoid and postnoid	Eree	Dronoid
12	le-cheques are	Prepaid	Postpaid	Both prepaid and postpaid	Free	Prepaid
13	Digital signature is a	Digital id, send as an	Is used for verifying	Both a and b	only A	Both a and b
		attachment to a web	the attachments send			
		page/e-mail/message	using web			
1.4			D	F	· 1	
14	is an act that poses danger to computer assets.	Ihreat	Danger	Error	tragedy	Ihreat
15	OTP stands for	On Time	On Time processing	One time processor	One Time Password	One Time Password
		Password				
16	Internet is	a local computer network	a world wide network of	an interconnected network of	a world wide interconnected	a world wide interconnected network
			computers	computers	network of computers which use a	or computers which use a common
					common protocol to communicate	protocol to communicate with one
4 -		on international and the	1 1		with one another	
17	Internet requires	an international agreement to	a local area network	a commonly agreed set of rules to	a World Wide Web	a commonly agreed set of rules to
18	Each computer connected to the internet must	be an IBM PC	have a unique IP	be internet compatible	have a modem connection	have a unique IP address
			address			
19	World Wide Web	is another name for internet	world wide connection	a collection of linked information	a collection of world wide	a collection of linked information
			for computers	residing on computers connected by the	information	residing on computers connected by
				internet		the internet
20	A world wide web contains web pages	residing in many computers	created using HTML	with links to other web pages	residing in many computers linked	residing in many computers linked
					together using HTML	together using HTML
21	A search engine is a program to search	for information	web pages	web pages for specified index terms	web pages for information using	web pages for information using
					specified search terms	specified search terms
22	HTML stands for	Hyper Text Making Links	Hyper Text Markup	Higher Textual Marking of Links	Hyper Text Mixer of Links	Hyper Text Markup Language
22	lower handlas the physical addressing of communicating devices	Dhygiog1		Data link	Natural	Data link
23				Data-IIIK		
24	Which OSI layer deals with physical addressing of the device?	Ethernet L.	IP L.	Address L.	Data-link	Data-link
25	Which of the following is a disadvantage for networks with bus topology?	Less cabling than ring	Needs a central device	Cable faults down entire network	It is collision-free	Cable faults down entire network
26			G .			
26	which of the following is not one of the seven OSI layers?	Adaptation	Session	Presentation	Transport	Adaptation
27	Which of the following is not one of the seven OSI layers?	Network	Session	Routing	Transport	Routing
28	The popular application of computer networks is	electronic mail or e-mail	Browser	IP	Internet	electronic mail or e-mail
	to a slope is formed by compacting two or more togels size to get or	1.6.1			D	
29	lopology is formed by connecting two or more topologies together.	Mesh	Hybrid	ring	Bus	Hybrid
29	topology is also called topology to connecting two of more topologies together.	Mesh	Hybrid	ring Hub	Bus	Hybrid
29 30	mesh topology is also called topology.	Mesh complete	Hybrid Connection	ring Hub	Bus Transform	Hybrid complete
29 30 31		Mesh complete Mesh	Hybrid Connection Hybrid	ring Hub Tree	Bus Transform Bus	Hybrid complete Tree
29 30 31 32	mesh topology is also called topology. topology is a hierarchy of various hubs. In star topology all the nodes are connected to a central node called a	Mesh complete Mesh hub	Hybrid Connection Hybrid Node	ring Hub Tree Routing	Bus Transform Bus Bus	Hybrid complete Tree hub
29 30 31 32 33		Mesh complete Mesh hub Datalink	Hybrid Connection Hybrid Node URL	ring Hub Tree Routing Computer network"	Bus Transform Bus Bus Internet	Hybrid complete Tree hub Computer network''
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$ \begin{array}{r} 29 \\ 30 \\ 31 \\ 32 \\ 33 \\ 34 \\ 35 \\ 26 \\ \end{array} $	topology is formed by connecting two or more topologies together. mesh topology is also called topology. topology all the nodes are connected to a central node called a to mean a collection of autonomous computers interconnected by a single Technology. topology defined as the logical connection of various computers in the network. In bus topology all the computers are connected to a long cable called a	Mesh complete Mesh hub Datalink Network Hub	Hybrid Connection Hybrid Node URL Mesh bus.	ring Hub Tree Routing Computer network" Hybrid Node	Bus Transform Bus Bus Internet Tree router	Hybrid complete Tree hub Computer network" Network Bus
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$ \begin{array}{r} 29 \\ 30 \\ 31 \\ 32 \\ 33 \\ 34 \\ 35 \\ 36 \\ 37 \\ 38 \\ 39 \\ 40 \\ 41 \\ 42 \\ 43 \\ 44 \\ 45 \\ 46 \\ 47 \\ \end{array} $	imposed by connecting two or more topologies togener. mesh topology is also called topology. topology all the nodes are connected to a central node called a to mean a collection of autonomous computers interconnected by a single Technology. topology defined as the logical connection of various computers in the network. In bus topology, the computers are connected to a long cable called a in topology, the computers are connected in the form of a ring. are widely used to connect personal computers and workstations in company offices and factories to share resources Digitally enabled business transactions are called The word "E" in E-Commerce refers about Major transactions in E-Commerce is B2B Stands for C2C stands for P2P Stands for M-Commerce means	Mesh complete Mesh hub Datalink Network Hub Mesh LAN E-Commerce. Email. Buying and Selling a product over internet. Begin to Begin. Communication to Communication. Buyer to Cost. Point to Point. Mobile Commerce. E-Business. M-Commerce.	HybridConnectionHybridNodeURLMeshbus.HybridWANE-Goverence.English.A study of commerce ininternet.Buyer 2 Buyer.Cost to Cost.Business to Cost.Public to PubliMultiple Commerce.E-Government.E-Commerce.	ring Hub Tree Routing Computer network" Hybrid Node ring MAN E-Ticket. Electronic communication. Electronic communication. Electronic communication. Business to Buyer. Customer to Customer. Basic to Customer. Peer to Peer. Money Commerce. Email.	BusTransformBusBusInternetTreerouterTreePANE-University.Ever.Giving Advice.Business to Business.Customer to Cost.Business to Customer.Purchase to Purchase.Managerial Commerce.E-PaymentE-Transaction.	Hybrid complete Tree hub Computer network" Network Bus Ring LAN E-Commerce. Electroni Buying and Selling a product over internet. Business to Business. Customer to Customer. Business to Customer. Peer to Peer. Mobile Commerce. E-Business.
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KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed University Established Under Section 3 of UGC Act 1956) Coimbatore - 641021. (For the candidates admitted from 2016 onwards) DEPARTMENT OF COMMERCE (CA)

SUBJECT	: INTRODUCTION TO INFORM	MATION TECHN	OLOG	Y
SEMESTER	:I			
SUBJECT CO	DE: 17CCU102	CLASS	:	I B.COM CA

POSSIBLE QUESTIONS

Part A (1 MARK)

(Online Examinations)

Part B (2 MARKS)

- 1. What is a protocol?
- 2. What is Web Browser?
- 3. What is spam?
- 4. Give two uses of Bus topology
- 5. Define topology
- 6. What is a Network
- 7. List out the types of network
- 8. What is Dial UP connection
- 9. What is a search engine?
- 10. What do you know about password policy?

Part C (8 MARKS)

- 1. Explain the advantages and limitations of E-Commerce
- 2. Explain network topologies with a neat diagram
- 3. What is E-mail?Explain the advantages and limitations of E-mail
- 4. Explain the types of network with example.

- 5. List out the difference between reply and forward an E-mail
- 6. Explain OSI layers with a neat diagram
- 7. Explain conferencing in detail?
- 8. Explain the types of Network topologies
- 9. Explain the following
 - i. Group communication
 - ii. Bandwith
 - iii. Modem
- 10. Explain the Network Architecture in detail.

Reg No..... [17CCU102] KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed University Established Under Section 3 of UGC Act 1956) Coimbatore - 641021. (For the candidates admitted from 2015 onwards) I B. Com CA First Semester

<u>ANSWER KEY</u> First Internal Test, July – 2017 INSTRUCTION TO INFORMATION TECHNOLOGY

PART -A (20*1=20 Marks) Multiple choice Questions

1.b. Software

- 2. d.RAM
- 3. a.Arithmetic Logic Unit
- 4.b. Wide Area Network
- 5. d. Magnetic Ink Character Reader
- 6. d. Central Processing Unit
- 7. c.Cache
- 8. a.All Input, Output and processing.
- 9. a.Universal Serial Bus
- 10. d. Input
- 11. b.Software
- 12. d.RAM
- 13. b.Storage
- 14.c.Printer
- 15.c.Program
- 16.c.Speaker
- 17.b.ROM
- 18.c.Keyboard
- 19.b.Compressing the message
- 20.c.Silicon

PART -B (5*2=10 Marks)

Answer All the question

21. Define Computer.

A computer is an electronic data processing device, which accepts and stores data input, processes the data input, and generates the output in a required format. If we look at it in a very broad sense, any digital computer carries out the following five functions:

- Step 1 Takes data as input.
- Step 2 Stores the data/instructions in its memory and uses them as required.
- Step 3 Processes the data and converts it into useful information.
- **Step 4** Generates the output.
- Step 5 Controls all the above four steps.



22. What are the elements of computer?

A computer system consists of **hardware**, the physical unit (parts) of the computer that are capable of computing and manipulating information and software (set of instructions or programs) that carries out predefined tasks to complete a given job. The computer performs operations like addition, subtraction, multiplication and division only when the user instructs it to do so. The user issues instructions and the CPU acts in accordance with the instructions. The sets of instructions, which control the sequence of operations, are known as programs, and collectively programs are called **software**.

23. What do you mean by operating system?

An operating system (OS) is system software that manages computer hardware and software resources and provides common services for computer programs.



PART -C (5*6=30 Marks)

Answer All the question

24. a.Explain the components of computer COMPONENTS OF COMPUTER SYSTEM

A computer system is a combination of various components. It performs the system functions such as input, processing, output, storage and control. A computer system consists of the following components:

- 1. Hardware
- 2. Software
- 3. Human ware
- 4. Firmware
- 5. Bridge ware

1. Hardware : The physical components of the computer, such as electrical, electronics and mechanical unit are known as the hardware of the computer. That is, the input units, output units and CPU are called hardware. Thus hardware is the equipment involved in the function of a computer. It consists of the components that can be physically handled. The function of these components is typically divided into three main categories: input, output, and storage. Components in these categories connect to microprocessors, output and storage. Components in these categories connect to microprocessors, specifically, the computer's central processing unit (CPU), the electronic circuitry that provides the computational ability and control of the computer, via wires or circuitry called a bus.

2. Software: The computer performs operations like addition, subtraction, multiplication and division only when the user instructs it to do so. The user issues instructions and the CPU acts in accordance with the instructions. The sets of instructions, which control the sequence of operations, are known as programs, and collectively programs are called software. The software can be broadly classified into two types. They are:

a. System Software

b. Application software

3. Human ware: The man-machine interface is called a human ware. The people who work with the computer are collectively called the human ware or livewire.

4. Firmware: The computer programs permanently stored in ROM or PROM are called firmware. These programs are provided by hardware manufacturer along with the computers. Generally these are booting programs which help in the starting of a computer. Such programs cannot be erased or overwritten.

5. Bridge ware: The computer components and programs used to translate instructions and information written for one type of computer into a format that another type of computer can understand is called bridge ware. This is necessary because different computers are made by different manufacturers.

b.What is input? Explain the output devices.

Following are some of the important input devices which are used in a computer:

- Keyboard
- Mouse
- Joy Stick
- Light pen
- Track Ball
- Scanner
- Graphic Tablet
- Microphone
- Magnetic Ink Card Reader (MICR)
- Optical Character Reader (OCR)
- Bar Code Reader
- Optical Mark Reader (OMR)

Keyboard

Keyboard is the most common and very popular input device which helps to input data to the computer. The layout of the keyboard is like that of traditional typewriter, although there are some additional keys provided for performing additional functions.

Keyboards are of two sizes 84 keys or 101/102 keys, but now keyboards with 104 keys or 108 keys are also available for Windows and Internet.

Mouse

Mouse is the most popular pointing device. It is a very famous cursor-control device havinga small palm size box with a round ball at its base, which senses the movement of the mouse and sends corresponding signals to the CPU when the mouse buttons are pressed. Generally, it has two buttons called the left and the right button and a wheel is present between the buttons. A mouse can be used to control the position of the cursor on the screen, but it cannot be used to enter text into the computer.

Advantages

- Easy to use
- Not very expensive
- Moves the cursor faster than the arrow keys of the keyboard

Joystick

Joystick is also a pointing device, which is used to move the cursor position on a monitor screen. It is a stick having a spherical ball at its both lower and upper ends. The lower spherical ball moves in a socket. The joystick can be moved in all four directions. The function of the joystick is similar to that of a mouse. It is mainly used in Computer Aided Designing (CAD) and playing computer games.

Light Pen

Light pen is a pointing device similar to a pen. It is used to select a displayed menu item or draw pictures on the monitor screen. It consists of a photocell and an optical system placed in a small tube. When the tip of a light pen is moved over the monitor screen and the pen button is pressed, its photocell sensing element detects the screen location and sends the corresponding signal to the CPU.

Track Ball

Track ball is an input device that is mostly used in notebook or laptop computer, instead of a mouse. This is a ball which is half inserted and by moving fingers on the ball, the pointer can be moved.Since the whole device is not moved, a track ball requires less space than a mouse. A track ball comes in various shapes like a ball, a button, or a square.

Scanner

Scanner is an input device, which works more like a photocopy machine. It is used when some information is available on paper and it is to be transferred to the hard disk of the

computer for further manipulation. Scanner captures images from the source which are then converted into a digital form that can be stored on the disk. These images can be edited before they are printed.

Magnetic Ink Card Reader (MICR)

MICR input device is generally used in banks as there are large number of cheques to be processed every day. The bank's code number and cheque number are printed on the cheques with a special type of ink that contains particles of magnetic material that are machine readable.

This reading process is called Magnetic Ink Character Recognition (MICR). The main advantages of MICR is that it is fast and less error prone.

Optical Character Reader (OCR)

OCR is an input device used to read a printed text. OCR scans the text optically, character by character, converts them into a machine readable code, and stores the text on the system memory.

Optical Mark Reader (OMR)

OMR is a special type of optical scanner used to recognize the type of mark made by pen or pencil. It is used where one out of a few alternatives is to be selected and marked. It is specially used for checking the answer sheets of examinations having multiple choice questions.

OUTPUT DEVICES:

- Following are some of the important output devices used in a computer.
- Monitors
- Graphic Plotter
- Printer

Monitors

Monitors, commonly called as **Visual Display Unit** (VDU), are the main output device of a computer. It forms images from tiny dots, called pixels that are arranged in a rectangular form. The sharpness of the image depends upon the number of pixels.

There are two kinds of viewing screen used for monitors.

- Cathode-Ray Tube (CRT)
- Flat-Panel Display

Cathode-Ray Tube (CRT) Monitor:

The CRT display is made up of small picture elements called pixels. The smaller the pixels, the better the image clarity or resolution. It takes more than one illuminated pixel to form a whole character, such as the letter 'e' in the word help.

A finite number of characters can be displayed on a screen at once. The screen can be divided into a series of character boxes - fixed location on the screen where a standard character can be placed. Most screens are capable of displaying 80 characters of data horizontally and 25 lines vertically.

There are some disadvantages of CRT:

- Large in Size
- High power consumption

Flat-Panel Display Monitor:

The flat-panel display refers to a class of video devices that have reduced volume, weight and power requirement in comparison to the CRT. You can hang them on walls or wear them on your wrists. Current uses of flat-panel displays include calculators, video games, monitors, laptop computer, and graphics display.

The flat-panel display is divided into two categories:

Emissive Displays - Emissive displays are devices that convert electrical energy into light. For example, plasma panel and LED (Light-Emitting Diodes).

Non-Emissive Displays - Non-emissive displays use optical effects to convert sunlight or light from some other source into graphics patterns. For example, LCD (Liquid-Crystal Device).

Printers

Printer is an output device, which is used to print information on paper. There are two types of printers:

- Impact Printers
- Non-Impact Printers

Impact Printers

Impact printers print the characters by striking them on the ribbon, which is then pressed on the paper.

• Characteristics of Impact Printers are the following:

- Very low consumable costs
- Very noisy
- Useful for bulk printing due to low cost
- There is physical contact with the paper to produce an image
- These printers are of two types -
- Character printers
- Line printers

Character Printers

Character printers are the printers which print one character at a time.

These are further divided into two types:

- Dot Matrix Printer (DMP)
- Daisy Wheel

Dot Matrix Printer

In the market, one of the most popular printers is Dot Matrix Printer. These printers are popular because of their ease of printing and economical price. Each character printed is in the form of pattern of dots and head consists of a Matrix of Pins of size (5*7, 7*9, 9*7 or 9*9) which come out to form a character which is why it is called Dot Matrix Printer.

Advantages

- Inexpensive
- Widely Used
- Other language characters can be printed

Disadvantages

- Slow Speed
- Poor Quality

Daisy Wheel

Head is lying on a wheel and pins corresponding to characters are like petals of Daisy (flower) which is why it is called Daisy Wheel Printer. These printers are generally used for word-processing in offices that require a few letters to be sent here and there with very nice quality.

Advantages

- More reliable than DMP
- Better quality
- Fonts of character can be easily changed

Disadvantages

- Slower than DMP
- Noisy
- More expensive than DMP

Non-impact Printers:

Non-impact printers print the characters without using the ribbon. These printers print a complete page at a time, thus they are also called as Page Printers.

These printers are of two types -

- Laser Printers
- Inkjet Printers

Characteristics of Non-impact Printers

- Faster than impact printers
- They are not noisy
- High quality
- Supports many fonts and different character size

Laser Printers

These are non-impact page printers. They use laser lights to produce the dots needed to form the characters to be printed on a page.

Advantages

- Very high speed
- Very high quality output
- Good graphics quality
- Supports many fonts and different character size

Disadvantages

- Expensive
- Cannot be used to produce multiple copies of a document in a single printing

Inkjet Printers

Inkjet printers are non-impact character printers based on a relatively new technology. They print characters by spraying small drops of ink onto paper. Inkjet printers produce high quality output with presentable features. They make less noise because no hammering is done and these have many styles of printing modes available. Color printing is also possible. Some models of Inkjet printers can produce multiple copies of printing also.

Advantages

- High quality printing
- More reliable

Disadvantages

- Expensive as the cost per page is high
- Slow as compared to laser printer.

25.a.Describe the types of hardtware.

Or

b.Explain the storage devices with suitable example.

STORAGE DEVICES:

There are two types of storage devices.

- a. Primary storage device
- b. Secondary Storage device.

a. PRIMARY STORAGE DEVICE OR RANDOM ACCESS MEMORY [RAM]:

Primary storage is usually referred to as Random Access Memory [RAM] because it is possible to randomly select and use any location of this memory to directly store and retrieve data and instructions. It is also referred to as read/write memory because information can be 'read' from a RAM chip also be 'written' into it. The Random Access Memory requires some times for accessing data and is considered to be the fastest memory. Each bit in a RAM stores information by means of electric charge, where the presence of an electric charge indicates '1' and the absence of an '0'. RAM is called Temporary storage, because data persists until the machine is on.

ROM : A Read Only Memory [ROM] is one in which information is permanently stored. The information from the memory can only be read and it is not possible to write fresh information into it. This is the reason why it is called ROM. When the power supply is switched off, the information stored inside ROM is not lost as it is in the case of a RAM chip. ROMs are mainly used by computer manufacturers for storing the micro programs so that they cannot be modified by the users.

b. SECONDARY STORAGE DEVICES :

This section of the memory is also referred to as backup storage because it is used to store large volume of data on a permanent basis which can be partially transferred to the primary storage as and when required for processing. The storage capacity of the primary storage of today's computers is not sufficient to store the large volume of time handled by most data processing centres. As a result, additional memory, called auxiliary memory or secondary storage, is used with most computer systems. Hard Disk, Floppy Disk, Tape and Compact Disc are the main secondary storage devices.

I) Hard Disk: The hard disk used in the PC is permanently fixed, hard disks with storage capacities of 8 GB, 10GB, 20GB, 40GB, are quite common, the CPU can use the hard disk to load programs and data as well as to store data We should operate the PC within a dust-free and cool room (Preferably air-conditioned) to prevent hard disk crash.

ii). Floppy Disk: Floppy disk is flexible circular disk of diameter 3.inches made of plastic coated with a magnetic material. This is housed in a square plastic jacket. The floppy disk can store 1.4 Mbytes of data [also called 1.44Mnytes, since it holds 1440Kytes]. Data recorded on a floppy disk is read and stored in a computer's memory by a device called a floppy disk drive[FDD]. A floppy disk is inserted in a slot of the FDD. Some of the floppies have limited life time. The floppies have to be recycled periodically to keep them alive. A frequently recycled floppy. [i.e used] will have a life time of 3to 4 years to do recycling take out old floppies occasionally and try to read them once, at least the directory.

iii). Compact Disk: CD-ROM [Compact Read Only Memory] uses a laser beam to record and read data along spiral tracks on a 51/4" disk. A disk can store around 650/00MB of information. CD-ROMs are normally used to store data as back up. Using a CD Writer, lot of information can be written on CD-ROM and stored for future reference.

iv). Tape Drives: Even though tape drives are one of the oldest of storage technologies, they can still hold the most data on a single cartridge. A computer tape drive works similar to a tape recorder or a VCR. A plastic tape ribbon is coated with magnetic particles which are polarized by a magnetic field generated by the read/write head. Since tape is a sequential, and not a random- access media, a tape drive has to wind through a tape to locate a specific bit of data. This makes accessing data slow so tape is mainly used for system backups and regular archiving of files and records. Tape dives allow users to backup large amounts of data. Tape drives are capable of backing up a couple hundred megabytes to several gigabytes of information without having to spend large sums of money on disks.

iv). DLT [Digital Linear Tape] :DLT drives are a robust and durable medium. The DLT segments the tape into parallel horizontal tracks and records data by streaming the tape across

a single stationary head. Released in 1991 DLT drives are very reliable, high-speed, and high-capacity making the DLT drives an excellent use for Network backups.

v). Micro Vault USB Storage Media:

Micro Vault media plugs directly into the computer's SB port – and acts just like another drive. It is small, light, Shock-proof and moisture – proof. This nifty flash memory storage device is compact and durable enough to carry in any pocket. The device is recognized automatically when we connect it to the computer. By connecting it via USB, the files can be transferred by dragging and dropping. There are no cables or adaptors needed, no power cord and no driver software to install. It's compatible with both Macintosh and Windows operating systems, and even comes with software that password protects the contents of the device. Micro Vault They are perfect for sharing PowerPoint presentations, digital photos, MPEG video and MP3s, transporting files between work and home, or sharing files with friends and colleagues.

26.a.What are the characteristics of computer? Explain.

CHARACTERISTICS OF COMPUTERS:

The main characteristics of computers are:

- a) Speed
- b) Storage
- c) Accuracy
- d) Versatility
- e) Automation
- f) Diligence
- g) Reliability

a) **Speed** : Computers are capable of carrying out the task with enormous speed. Today's computers, according to their class, can perform from 4 MIPS (Millions of instructions per second) to 100 MIPS. What may take days for manual calculations may take only a few hours for computers to perform. Inside the computer the information signal travels at incredible electronic speed.

b) **Storage**: Computers can store enormous quantity of information. Which is expressed in terms of Kilobytes (or) Mega Bytes (MB) or Gega Bytes (GB). It is achieved through its 'Main memory' or 'Primary storage' and through 'auxiliary storage' or 'Secondary storage'.

The Hard disks Floppy disk, Compact Disc(CD) and Magnetic Tape storage are examples of secondary storages. These large volumes of storage occupy much lesser space compared to paper documents and this aspect of computers makes them more powerful.

c) Accuracy: The accuracy of a Computer is consistently high. In fact, this quality of the computers make them indispensable in various fields such as Scientific Research, Space Research, Weather Predictions and many other areas where precision of a high order is required. The accuracy of the computer is best achieved by programming them in the most efficient manner. When it comes to very complex mathematical or scientific problem the computer's accuracy has no substitute.

d) **Versatility**: Computers are versatile in that they can perform almost any task, provided they are given the appropriate logical steps. For example, they are capable of performing wide ranging tasks such as construction of a payroll, inventory management in a factory, hotel billing, hospital management, banking applications and any imaginable task in every walk of life.

e) **Automation**: The biggest advantage of computers is that it is automatic in its operation. Once a programming logic is initiated the computer performs repeated operations without human interventions until program completion.

f) **Diligence**: Computers are machines and that do not get tired or 'lose concentration' like human beings. If a large number of calculations say million calculations are to be performed the resultant output will remain exactly the same even if operations are repeated any number of times. But when a human being is asked to do the same job this consistency cannot be achieved. Thus for those who want consistent and continuous standard output, computer's 'diligence' is of great help.

g) **Reliability**: The computers give very accurate results with predetermined values. They correct and modify the parameters automatically, giving suitable signals. They give formatted results with high degree of precisions.

b.classify the operating system TYPES OF OPERATING SYSTEM:

There are Many <u>Operating Systems</u> those have be Developed for Performing the Operations those are requested by the user. There are Many Operating Systems which have the Capability to Perform the Requests those are received from the System. The Operating system can perform a Single Operation and also Multiple Operations at a Time. So there are many types of Operating systems those are organized by using their Working Techniques.

A) DESKTOP OPERATING SYSTEM

The control program in a user's machine (desktop or laptop). Also called a "client operating system," Windows is the overwhelming majority while the Macintosh comes second. There are also several versions of Linux for the desktop.

B) SERVER OPERATING SYSTEM:

A server operating system, also called a server OS, is an operating system specifically designed to run on servers, which are specialized computers that operate within a client/server architecture to serve the requests of client computers on the network. The server operating system, or server OS, is the software layer on top of which other software programs, or applications, can run on the server hardware. Server operating systems help enable and facilitate typical server roles such as Web server, mail server, file server, database server, application server and print server.

C) MAINFRAME OPERATING SYSTEM:

Mainframe operating systems are sophisticated products with substantially different characteristics and purposes. The architecture is distinct from the physical design, and, in fact, different machine designs might conform to the same computer architecture. In a sense, the architecture is the computer as seen by the user, such as a system programmer. For example, part of the architecture is the set of machine instructions that the computer can recognize and execute. In the mainframe environment, the system software and hardware comprise a highly advanced computer architecture, the result of decades of technological innovation.

- D) MULTIUSER OPERATING SYSTEM: A multi-user operating system extends the basic concept of multi-tasking with facilities that identify processes and resources, such as disk space, belonging to multiple users, and the system permits multiple users to interact with the system at the same time.
- E) MULTIPROCESSING OPERATING SYSTEM: The Multi-processing Operating Systems never use any cards because the Process is entered on the Spot by the user. But the Operating System also uses the Process of Allocation and De-allocation of the Memory Means he will provide the Memory Space to all the Running and all the Waiting Processes. There must be the Proper Management of all the Running Jobs.

- F) **MULTITASKING OPERATING SYSTEM:**A multi-tasking operating system allows more than one program to be running in concurrency. This is achieved by time-sharing, dividing the available processor time between multiple processes that are each interrupted repeatedly in time slices by a task-scheduling subsystem of the operating system. Multi-tasking may be characterized in preemptive and co-operative types.
- G) **MULTITHREADING OPERATING SYSTEM:**It allows different parts of a single program to run concurrently.Multithreaing is an ability of an operating system to execute different parts of a program called threads.

Reg No..... [17CCU101]

Karpagam Academy of Higher Education (Deemed University Established Under Section 3 of UGC Act, 1956) Coimbatore - 641 021

(For the candidates admitted from 2017 onwards)

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First Semester Second Internal Test, August – 2017 FINANCIAL ACCOUNTING

Time: 2 hours

Maximum: 50 marks

PART –A (20*1=20 Marks) Multiple choice Questions

1.	Rent outstanding is	•	_	
	(a) liability	(b) an asset	(c) an income	(d) Receivable
2.	Closing stock is shown in			
	(a) Profit and loss account	(b) Tra	ding account and Ba	alance sheet
	(c) Purchases	(d) Net	profit or Net loss acco	ount
3.	Opening stock is shown in			
	(a) Balance sheet	(b) Pro	fit and Loss account	
	(c) Trading account	(d) Sale	es	
4.	Gross Profit is transferred to)		
	(a) Capital account	(b) Pro	fit and loss account	
	(c) Balance sheet	(d) Trad	ding account	
5.	Nominal account having de	bit balances rep	resents	
	(a) income/gain (b) expense	es/losses (c) lia	bility (d) invoice bo	ook
6.	Gross Profit is transferred to)		
	(a) Capital account (b) P	rofit and loss a	count	
	(c) Balance sheet (d) T	rading account		
7.	Interest on capital is added t	0		
	(a) Expense A/c	(b) Income A/	c	
	(c) Capital A/c	(d) Asset Acc	ount	
8.	Interest on drawings is dedu	icted from		
	(a) Income A/c (b) Ca	apital A/c		
	(c) Expense A/c (d) Pi	ofit and Loss ac	count	
9.	Hire purchase price – cash	price =	<u> </u>	
10	(a) Total interest (b) fin	rst balance	(c) total amount	d) cash balance
10.	If the hire purchaser fails to	make payment of	of any installment, it is	s called
	payment.		1, 1, 1	
11	(a) Installment price (b) h	ire price c) deta	ault d) cash price	1 . 1
11.	The hire vendor has the right	it to take array th	e goods sold on hire	purchase in the
	event of default is termed as	S		
	(a) Default (b) Reposses	ssion (c) c	lefault and repossess	sion (d) Fault
12.	The hire vendor may take av	way all the good	s on which there is de	fault of installment
	is known as			
	(a) Complete repossession	(b) partial rep	ossession	
	(c) Repossession	(d) get back		

13.	Opening stock is shown in	L				
	(a) Balance sheet (b) Profit and Loss a	ccount (c)	Frading acc	count	(d) Sales
14.	Under the diminishing bal	ance method, depre	ciation is calcula	ated on		
	(a) Scrap value (b) Or	original value	(c) On book	value	(d) Cost	value
15.	The amount of depreciatio	n charged on mach	inery will be deb	oited		
	(a) Machinery a/c (b) D	epreciation accoun	t (c) Cash acco	ount (d) F	Repair a	ccount
16.	Loss on sale of plant and r	nachinery should b	e written off aga	inst		
	(a) Share premium (b) Dep	preciation fund acco	ount (c) Sale ac	count (d) Pr	ofit & l	oss account
17.	The Profit and Loss acco	ount shows				
	(a) Financial position of	f the concern	(b) Net	profit or N	et loss	
	(c) an asset		(d) Gros	ss profit or	Gross I	LOSS
18.	Returns inwards are ded	ucted from				
	(a) Purchases (b)	Sales	(c) Returns out	ward	(d) Cas	sh book
19.	Hire purchase act was pa	assed in the year				
	(a)1980 (b)1978		(c)1975	(d) 1972		
20.	In hire purchase system,	for paying down	payment	A/c is	debite	d.
	(a) hire vendor	(b)hirer	(c)cas	h	(d	l)assets

PART –B (3*2=6 Marks) Answer all the Questions

21. What is Outstanding Expense?

Expenses which have been incurred but not yet paid during the accounting period for which the final accounts are being prepared are called as **outstanding expenses**.

Outstanding expenses will be shown

i) On the debit side of Profit and Loss account by way of additions to the particular expenses and

ii) On the liabilities side of the Balance Sheet.

22. What is Hire Purchase?

A hire purchase is a method of buying goods through making installment payments over time. The term "hire purchase" originated in the United Kingdom and is similar to rent-to-own arrangements in the United States. Under a hire purchase contract, the buyer is leasing the goods and does not obtain ownership until the full amount of the contract is paid.

23. What is instalment purchase?

Purchasing a commodity over a period of time. The buyer gains the use of the commodity immediately and then pays for it in periodic payments called **installments**.

PART -C (3*8=24 Marks) Answer all the Questions

24. (a) From the following balances as at 31st December 1994 of trader, J	prepare a
Trading and Profit & loss A/c for the year 1994 and a Balance Sheet as or	n that date:

Debit Balances	Amount	Credit Balances	Amount
	Rs.		Rs.
Salaries	5,500	Creditors	9,500
Rent	1,300	Sales	32,000
Cash	1,000	Capital	30,000
Debtors	40,000	Loans	10,000
Trade expenses	600		
Purchases	25,000		
Advances	2,500		
Bank balance	5,600		
	81500		81500

Adjustments:

- The closing stock amounted to Rs. 9,000. One month's Salary is outstanding. (i)
- (ii)
- One month's rent has been paid in advance. (iii)
- Provide 5% for doubtful debts. (iv)

Trading and Profit and Loss Ac of a Trader for the year ended as on 31-12-1994

Particulars	Amount	Amount	Particulars	Amount	Amount
	Rs.	Rs.		Rs.	Rs.
To Purchases		25000	By Sales		32000
			By Closing Stock		9000
To Gross Profit C/d		16000			
		41000			41000
To Trade expenses		600	By Gross Profit B/d		16000
To Salaries	5500				
Add: Outstanding Salaries	500	6000			
To Rent	1300				
Less: Rent paid in Advance	118	1182			
To Provision for Bad and		2000			
Doubtful debts		2000			
T. N. t. Due Ct. C/J		(210			
10 Net Profit C/d		6218			
		1(000			1(000
		16000			16000

Balance	Sheet a	Trader	as on	31-12-1994
---------	---------	--------	-------	------------

Liabilities	Amount	Amount	Assets	Amount	Amount
	Rs.	Rs.		Rs.	Rs.
Capital	30000		Bank Balances		5600
Add: Net Profit	6218	36218	Cash		1000
Creditors		9500	Debtors	40000	
			Less: Provision for Bad and		
Loans		10000	Doubtful debts	2000	38000
			Advances		2500
Outstanding Salaries		500	Rent paid in Advance		118
			Closing Stock		9000
		56218			56218

(Or)

(b) On 1-1-86, X purchased Machinery on hire purchase system. The payment is to be made Rs.4,000 down (on signing of the contract) and Rs.4,000 annually for three years. The cash price of the machinery is Rs.14,900 and the rate of interest is 5%. Calculate the interest in each year's instalment. Solution:

Particulars 1	Total cash price 2	Instalment paid 3	Interest paid 4	cash price paid 5(3-4)
Rs	Rs	Rs	Rs	Rs
cash price down	14900			
payment	4000	4000		4000
	10900			
1st instalment	3455	4000	545	3455
	7445		(10900*5%)	
2nd				
instalment	3627.75	4000	372.25	3627.75
	3817.25		7445*5%)	
3rd instalment	3817.25	4000	182.75	3817.25
			(4000-3817.25)	
	Nil	16000	1100	14900

25. (a) X purchased a machine under hire purchase system. According to the terms of the agreement Rs.40, 000 was to be paid on signing of the contract. The balance was to be paid in four annual instalments of Rs.25, 000 each plus interest. The cash price was Rs.1, 40,000. Interest is chargeable on outstanding balance at 20% per annum. Calculate interest for each year and the instalment amount.

Solution:

Date of	Total cash	Instalment		Cash price
payment	price	paid	Interest paid	paid
	Rs	Rs	Rs	Rs
1	2	3=4+5	4	5
	140000			
down payment	40000	40000		40000
	100000	45000	(100000*20%)	25000
1st instalment	25000		20000	
	75000	40000	(75000*20%)	25000
2nd instalment	25000		15000	
	50000		(50000*20%)	25000
3rd instalment	25000	35000	10000	
	25000		(25000*20%)	25000
4th instalment	25000	30000	5000	
	Nil	190000	50000	140000

(Or)

(b) Distinguish between Hire Purchase System and Instalment Purchase system.

DIFFERENCE BETWEEN HIRE-PURCHASE SYSTEM AND INSTALMENT PAYMENT SYSTEM

Instalment Payment System is system of purchase and sale of goods in which title of goods is immediately transferred to the purchaser at the time of sale of goods and the sale price of the goods is paid in instalments. In the event of default in payment of any instalment, the seller has no right to take back goods from the possession of the purchaser. He can file a suit for the recovery of the outstanding balance of the price of goods sold. The followings are the differences between Hire-purchase system and Instalment payment system:

- In Hire-purchase system, the transfer of ownership takes place after the payment of all instalments while in case of Instalment payment system, the ownership is transferred immediately at the time of agreement.
- In Hire-purchase system, the hire-purchase agreement is like a contract of hire though later on it may become a purchase after the payment of last instalment while in Instalment payment system, the agreement is like a contract of credit purchase.
- In case of default in payment, in Hire-purchase system the vendor has a right to back goods from the possession of the hire-purchaser while in case of Instalment payment system, the vendor has no right to take back the goods from the possession of the purchaser; he can simply sue for the balance due.
- In Hire-purchase system, if the purchaser sells the goods to a third party before the payment of last instalment, the third party does not get a better title on the goods purchased. But in case of Instalment payment system, the third party gets a better title on the goods purchased.

In Hire-purchase system the provisions of the Hire-purchase Act apply to the transaction while in case of Instalment payment system, the provisions of Sale of Goods Act apply to the transaction.

Debit Balances	Rs.	Credit Balances	Rs.
Drawings	40,000	Capital	2,00,000
Cash in Hand	17,000	Sales	1,60,000
Cash at Bank	65,000	Sundry Creditors	45,000
Wages Purchases	10,000		
Stock (1.4.2001)	20,000		
Buildings Sundry	60,000		
Debtors Bills	1,00,000		
Receivable Rent	44,000		
Commission	29,000		
General Expenses	4,500		
Furniture	2,500		
	8,000		
	5,000		
	4,05,000		4,05,000

26. (a) The following are the balances extracted from the books of Mrs.Nandhini as on 31.03.2002.

Adjustments:

1. Člosing stock Rs.40,000

2. Wages yet to be paid Rs.1,000

3. Rent Prepaid Rs.900

Prepare Trading and Profit and Loss Account and Balance sheet as on 1.3.2002.

Solution:

Trading and Profit and Loss Account of Mrs.Nandhini for the year ended as

on 31.03.2002

Particulars	RS	Rs	Particulars	RS	RS
To Opening Stock		60,000	By Sales		1,60,000
To Purchases		20,000	By Closing stock		40,000
To Wages	10,000				
Add: Outstanding					
wages	1,000	11,000			
To Gross Profit c/d		1,09,000			
		2,00,000			2,00,000
			By Gross Profit		
To Rent	4,500		b/d		1,09,000
Less: Prepaid Rent	900	3,600			
To Commission		2,500			

To General Expenses	8,000		
To Net profit c/d	94,900		
	1,09,000		1,09,000

Balance Sheet of Mrs.Nandhini as on 31.03.2002

Liabilities	RS	RS	Assets	RS	RS
Capital	2,00,000		Cash in hand		17,000
Add: Net Profit	94,900		Cash at bank		65,000
	2,94,900		Buildings		1,00,000
Less: Drawings	40,000	2,54,900	Furniture		5,000
Sundry Creditors		45,000	Bills Receivable		29,000
Wages Outstanding		1,000	Sundry Debtors		44,000
			Closing Stock		40,000
			Prepaid Rent		900
		3,00,900			3,00,900

(Or)

(b) From the following Trial Balance of Senthur Traders, prepare Trading and Profit & Loss Account for the year ending December 31, 2006 and Balance sheet as on that date:

Dr. Balance	Rs.	Cr. Balance	Rs.
Land & Building	60,000	Capital	96,000
Plant and Machinery	33,000	Sundry Creditors	15,000
Stock	12,000	Sales	60,000
Investment	15,000	Provision for Bad & Doubtful Debts	1,100
Purchases	45000	Loan	20,000
Wages	2000	Rent Received in advance	1,000
Carriage	2000	Commission Received	3,000
Salary	5000	Bills payable	15,000
Rent	2,000		
Cash at Bank	3000		
Sundry Debtors	30,000		
Discount	300		
Bad Debt	500		
Sales Returns	1300		
	2,11,100		2,11,100

Additional Information:

- 1. Closing stock valued at Rs. 12,000.
- 2. Bad Debt 500 and Provision for Bad & Doubtful Debts at 5%.
- 3. Salary outstanding Rs. 1000.
- 4. Commission Received in advance 1,000.
- 5. Depreciate Machinery @ 3% & land and Builders @ 2%.

Particulars	Amount	Amount	Particulars	Amount	Amount
	Rs.	Rs.		Rs.	Rs.
To Opening Stock		12000	By Sales	60000	
To Purchases		45000	Less: Sales Returns	1300	58700
To Wages		2000	By Closing Stock		12000
To Carriage		2000			
To Gross Profit C/d		9700			
		70700			70700
To Salary	5000		By Gross Profit B/d		9700
Add: Salary	1000	6000	By Commission Received	3000	2100
Tuu. Sului y	1000		Less: Commission	2000	
To Rent		2000	Received in Advance	1000	2000
			Dr. Dont Doopiyod in		
To Discount		300	Advance		1000
To Bad Debts	500				
Add: Bad Debts	500				
	1000				
Add: Provision for Bad					
and Doutful Debts	1475				
	2475				
Less: Provision for Bad	1100	1275			
To Domination	1100	13/3			
10 Depreciation:	000				
I and and Machinery	1200	2100			
	1200	2190			
To Net Profit C/d		835			
		12700			12700

Solution: Trading and profit and Loss A/c of Senthur Traders for the year ending as on 31-12-2006

Balance Sheet of Senthur Trader as on 31-12-2006

Liabilities	Amount	Amount	Assets	Amount	Amount
	Rs.	Rs.		Rs.	Rs.
Capital	96000		Cash at Bank		3000
Net Profit	835		Investment		15000
		96835	Sundry Debtors	30000	
Outstanding Salary		1000	Less: Bad Debts	500	

Loan	20000		29500	
Commission Received in		Less: Provision for Bad		
Advance	1000	and Doubtful Debts	1475	28025
Bills Payable	15000			
Sundry Creditors	15000	Land and Building	60000	
		Less: Depreciation	1200	58800
		Plant and Machinery	33000	
		Less: Depreciation	990	32010
		Closing Stock		12000
	148835			148835
KARPAGAM ACADEMY OF HIGHER EDUCATION

(Established Under Section 3 of UGC Act 1956) Coimbatore – 641021 (For the candidates admitted from 2017 onwards) I B. Com CA First Semester FINANCIAL ACCOUNTING Third Internal Test, October – 2017 Answer keys

Part A

- 1. Commission
- 2. Sales
- 3. Consignor
- 4. Normal Loss
- 5. Nominal
- 6. Premium method
- 7. Full amount of policy
- 8. Short
- 9. Unavoidable
- 10. Normal profit
- 11. Average profit
- 12. Super profit
- 13. Normal profit
- 14. Consignor's personal a/c
- 15. Nominal a/c
- 16. Loss on account of bad debts
- 17. Consignment
- 18. Total sales
- 19. Debited to capital a/c
- 20. Credited

Part B

Answer keys

- 21. Average profit= Total profit/ No. of years Normal profit= Capital employed x normal rate of return Super profit = Average profit - Normal profit Good will= Average profit*No. of year purchase
- 22. Consignment is a business arrangement in which a business, also referred to as a consignee, agrees to pay a seller, or consignor, for merchandise after the item sells.

Consignment businesses are typically retail stores that specialize in a particular type of consumer product. The business accepts items for sale and agrees to pay the seller a percentage of the proceeds if and when the goods do sell.

23. A joint venture (JV) is a business arrangement in which two or more parties agree to pool their resources for the purpose of accomplishing a specific task. In a joint venture (JV), each of the participants is responsible for profits, losses and costs associated with it.

Part C

Answer Keys

24 a) Answer key:

Journal Enteries in the Books of Kumaran (Consignor)

Consignment to Bombay A/c Dr.)
To goods sent on consignment A/c		20,000
Consignment to Bombay A/c Dr.	500	
To bank a/c		500
Bills Receivable a/c Dr	10,000)
To Gokale a/c		10,000
Bank a/c Dr	9850	
Discount A/c Dr	150	
To Bills Receivable a/c		10,000
Gokale A/c Dr	24,800)
To consignment to Bombay a/c		24,800
Consignment to Bombay a/c Dr	750	
Gokale A/c		750
Consignment to Bombay a/c Dr	1,488	

Gokale A/c	1,488	
Bank a/c Dr	12,562	
To Gokale a/c	12,562	
Consignment to Bombay a/c Dr	2,062	
To P&L a/c	2,062	
Goods sent to consignment A/c Dr	20,000	
To Purchases A/c	20,000	
Journal Entries in the books of Gokale (consignee)		
Kumaran A/c Dr	10,000	
To Bills Payable A/c	10,000	
Bank a/c Dr	24,800	
To kumaran a/c	24,800	
Kumaran A/c Dr	750	
To Bank A/c	750	
Kumaran A/c Dr	1,488	
To commission A/c	1,488	
Kumaran A/c Dr	12,562	
To Bank A/c	12,562	

b) Answer key:

Revaluation Profit

A's capital a/c 1,125 B's capital a/c 375

Adjusted capital a/c

A's capital =1,11,125

B's capital =50,375

C's capital =80750

New balance sheet of A,B,C = 3,22,250

25 a) Answer Key

Journal Entries in the books of Koshi

Joint Venture A/c Dr	10,500	
To Purchase A/c		10,000
To Bank A/c		500
Joint venture A/c Dr	8,400	
To Joshi A/c		8,400
Joshi A/c Dr	25,000	
To Joint venture A/c		25,000
Joint Venture A/c Dr	1,250	
To Joshi A/c		1,250
Joint Venture A/c Dr	4,850	
To Joshi A/c		1,940
To P&L a/c		2,910
Bank A/c Dr	13,410	
To Joshi A/c		13,410

Journal Entries in the books of Joshi

10.500	
	10.500

To Koshi A/c		10,500	
Joint Venture A/c Dr	8,400		
To Purchases A/c		8,000	
To Bank A/c		400	
Bank a/c Dr	25,000	25,000	
To Joint Venture a/c		25,000	
Joint venture A/c Dr	1,250		
To commission A/c		1,250	
Joint venture A/c Dr	4,850		
To P&L a/c		1,940	
To Koshi a/c		2,910	
Koshi A/c Dr	13,410)	
To bank a/c		13,410	

b) Answer Key:

Total Profit= 3,10,800
Average Profit=1,03,600
Average Trading profit=91,600
Super Profit= 19,600
Goodwill= 19,600*3=58,800

26 a) Answer key

Revaluation Profit

A's capital a/c 10,050

B's capital a/c 3350

Adjusted capital a/c

A's capital =40,050 B's capital =23,350

C's capital =20,000

New balance sheet of A,B,C = 1,28,400

26 b)

1. Sacrifice ratio is calculated at the time of admission of new partner but gaining ratio is calculated at the time of retirement of a partner.

2. Total of each old partner's Sacrifice will be equal to new ratio of new admitted partner. total of gaining share of each partner will be equal to the old ratio of retired partner.

3. Goodwill will be distributed at the time of admission in sacrifice ratio. Goodwill will be distributed at the time of retirement in gaining ratio.

4. Difference of old ratio and sacrifice ratio will be new ratio but total of old ratio and gaining ratio will be new ratio.

Reg. No

[16CMU101/16CCU101/16BPU101/16COU101]

KARPAGAM UNIVERSITY

Karpagam Academy of Higher Education (Established Under Section 3 of UGC Act 1956) COIMBATORE - 641 021 (For the candidates admitted from 2016 onwards)

B.Com., DEGREE EXAMINATION, NOVEMBER 2016 First Semester

COMMERCE/COMMERCE (COMPUTER APPLICATIONS)/ COMMERCE (BUSINESS PROCESS SERVICES)/ COMMERCE (CORPORATE SECRETARYSHIP)

FINANCIAL ACCOUNTING

ime: 3 hours

Maximum : 60 marks

PART - A (20 x 1 = 20 Marks) (30 Minutes) (Question Nos, 1 to 20 Online Examinations)

PART B (5 x 2 = 10 Marks) (2 1/2 Hours) Answer ALL the Questions

21. Define the term or "Accounting".

22. A company purchased a plant for Rs. 50,000. The useful life of the plant is 10 years and the residual value is Rs. 10,000. Find out the rate of depreciation under the straight line method.

23. What is hire purchase price?

24. Who is consignor and consignee?

25. Write the formula for calculating sacrificing ratio?

PART C (5 x 6 = 30 Marks) Answer ALL the Questions

26. a. Journalise the following:

i) Ram started Business with cash Rs. 10000

ii) Paid salary to staff Rs. 500

- iii) Sold goods to Sam for cash Rs. 5000
- iv) Purchase from Ganesh Rs. 2500

(0r)



b. Prepare purchase and sales book

Purchase goods from Balu Sold goods to Sam Bought goods from Gowri Sold goods to Tom	RS. 30,000 15,000 13,500 10,500	Sold goods to Jai Bought goods from Raj Sold goods to Sathi	750 9,000 900
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Rs.

27. a. A machine purchased on 1st July 1983 at a cost of Rs. 14,000 and Rs. 1,000 was spent for installation. The depreciation is 10% on original cost. The books are closed on 31st December each year. The machine was sold for Rs. 9,500 on 31" March 1986. Show the machinery Account.

b. A company acquired a machine on 1.1.88 at a cost of Rs. 40,000 and spent Rs. 1,000 for its installation. The depreciation is charged at 10% under diminishing balance method. The books are closed on 31" December of each year. Show machinery a/c for 3 years.

28. a. On 1.1.2010, Ravi purchased machinery on hire purchase system. The payment to be made Rs. 4,000 as down and Rs. 4,000 annually for 3 years. The cash price of machinery is Rs.14,900 and the rate of interest is 5%. Calculate the interest in each year's installment. (0r)

b. What is Repossession? What are its types?

29. a. What are the features of consignment?

b. Prepare joint venture a/c and joint venturer chand's a/c in the books of Ramu.

	Ramu	Chand
Goods supplied	60,000	30,000
Evnenses paid	8,000	2,000
Cales proceeds	80,000	56,000
Sharing of P/L in the rational	o of 2:1 between 1	Ramu and Cha

30. a. Calculate the amount of goodwill at 3 year's purchase of last 5 years average profits. The profits were:

and.

1st year - Rs. 9600 2nd year - Rs. 14400 3rd year - Rs. 20000 4th year -Rs. 6000 5th year -Rs.10000.

(Or)

b. P and Q are partners in a firm sharing P/L in the ratio of 4:3. On 1st January 2011 R is admitted as partner and R brought Rs. 60,000 as capital and Rs. 14,000 for 1/3 share of goodwill. Calculate new sharing ratio and sacrificing ratio.