

# **B.Com. (FINANCIAL ANALYTICS)**

## **CHOICE BASED CREDIT SYSTEM (CBCS)**

### **Curriculum and Syllabus**

#### **Regular (2024–2025)**



**DEPARTMENT OF COMMERCE**

**FACULTY OF ARTS, SCIENCE, COMMERCE AND MANAGEMENT**

**KARPAGAM ACADEMY OF HIGHER EDUCATION**

(Deemed to be University)

(Established Under Section 3 of UGC Act,1956)

(Accredited with A+ Grade by NAAC in the Second Cycle)

Eachanari (Post), Coimbatore – 641 021.

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## **FACULTY OF ARTS, SCIENCE, COMMERCE AND MANAGEMENT UNDERGRADUATE PROGRAMMES REGULAR MODE CHOICE BASED CREDIT SYSTEM (CBCS)**

### **REGULATIONS – 2024**

The following regulations are effective from the academic year 2024-2025 and are applicable to candidates admitted to Undergraduate (UG) programmes in the Faculty of Arts, Science, Commerce and Management, Karpagam Academy of Higher Education (KAHE) from the academic year 2024-2025 onwards.

#### **1 PROGRAMMES OFFERED, MODE OF STUDY AND ADMISSION REQUIREMENTS**

##### **1.1 UG Programmes Offered**

A candidate may undergo a programme in any one of the undergraduate programmes approved by the KAHE as given below.

<b>S. No.</b>	<b>PROGRAMME</b>	<b>DISCIPLINE</b>
1.	B.Com.	Commerce
2.	B.Com.	Computer Applications
3.	B.Com.	Professional Accounting
4.	B.Com.	Business Process Services
5.	B.Com.	Financial Analytics
6.	B.Com.	International Accounting and Finance
7.	B.Com.	Information Technology
8.	B.Com.	FinTech
9.	BBA	Business Administration
10.	B.Sc.	Biotechnology
11.	B.Sc.	Microbiology
12.	B.Sc.	Computer Science
13.	B.Sc.	Information Technology
14.	B.Sc.	Computer Technology

15.	B.Sc.	Computer Science (Cognitive Systems)
16.	B.Sc.	Computer Science (Artificial Intelligence and Data Science)
17.	B.Sc.	Computer Science (Cyber Security)
18.	BCA	Computer Applications

## 1.2 Admission Requirements (Eligibility)

A candidate for admission to the first year of the UG degree programme shall be required to have passed the Higher Secondary Examination (10 + 2) [Academic or Vocational] prescribed by the Government of Tamil Nadu Board or any similar examination of any other Board accepted by the KAHE as equivalent thereto. (Annexure I)

## 1.3 Mode of Study

All programmes are offered under Full-Time Regular mode. Candidates admitted under 'Full-Time' should be present in the KAHE during the complete working hours for curricular, co-curricular and extra-curricular activities assigned to them.

## 2. DURATION OF THE PROGRAMMES

2.1 The minimum and maximum period for the completion of the UG Programmes are given below:

Programme(s)	Min. No. of Semesters	Max. No. of Semesters
B.Sc., B.Com., BCA and BBA	8	14

2.2 Each semester normally consists of 90 working days or 450 Instructional hours of study. Examination shall be conducted at the end of every semester for the respective courses.

## 2.3 Multiple Entry and Exit

The students are allowed to exit the programme after 2 or 4 or 6 or 8 semesters with Undergraduate Certificate, Undergraduate Diploma, Undergraduate Degree and Undergraduate Degree with Honors/Honors (Research) respectively as per the regulations of NEP 2020. Similarly, the students from other institutions can join our university in the 3<sup>rd</sup> or 5<sup>th</sup> or 7<sup>th</sup> semester with an appropriate Undergraduate Certificate or Undergraduate Diploma or Undergraduate Degree certificates respectively.

### **3. CHOICE BASED CREDIT SYSTEM**

Credit means the weightage given to each course by the experts of the Board of Studies concerned. All programmes are offered under Choice Based Credit System with a total number of 132 credits for three years. Additional credits of 40 can also be earned on successful completion of fourth year. A total of 172 credits are offered as per the UGC Guidelines for the four year UG Programme.

### **4. STRUCTURE OF THE PROGRAMME**

**4.1** Tamil or any one of the Indian / Foreign Languages *viz*, Hindi, Malayalam Sanskrit, French is offered as an Ability Enhancement Course (AEC) for Arts, Science, Commerce and Management Programmes. Twelve credits are awarded for each course and the examinations will be conducted at the end of each semester.

**4.2.** Major Courses, Minor Courses, Multidisciplinary Courses (MDC), Skill Enhancement Courses (SEC), Project Work, Ability Enhancement Courses, Value Added Courses (VAC) (Common to all UG Programmes), Summer Internship, Minor Project (for 3 Year programme), Research Project/Dissertation (for 4 Year programme) are part of curricular structure.

#### **4.2.1. Major Courses**

Major Courses consist of theory and practical of department domains for which examinations shall be conducted at the end of each semester. The students have to earn 82 to 86 Credits in Major Courses (Four years).

#### **4.2.2. Minor Courses**

Students have courses from disciplinary/interdisciplinary minors and skill-based courses. Students have to earn a minimum of 32 Credits in Minor Courses (Four years).

#### **4.2.3. Multidisciplinary Courses (MDC)**

All UG students are required to undergo 3 introductory-level courses relating to any of the broad disciplines. These courses are intended to broaden the intellectual experience and form part of liberal arts and science education. The students have to study three Multidisciplinary Courses and they have to earn a minimum of 09 Credits.

#### **4.2.4. Skill Enhancement Courses (SEC)**

These courses are aimed at imparting practical skills, hands-on training, soft skills, etc., to enhance the employability of students. Three Skill Enhancement Courses are offered within the first four semesters. The examination shall be

conducted at the end of respective semester. Students have to earn a minimum of 09 Credits in Skill Enhancement Courses.

#### **4.2.5 Minor Project Work**

The project work shall start at the beginning of sixth semester in the Department/Industry/Research Institute (National/International) and the project report has to be submitted at the end of the sixth semester. The project may be an individual or group task. The Head of Department concerned shall assign a project supervisor who in turn shall monitor the project work of the student(s). A project / dissertation work shall be carried out by the students and they have to earn 04 to 06 credits.

If the candidate undertakes the Research Project work outside the Department, the faculty concerned within the Department shall be the Supervisor and the teacher/scientist of the host institute will be the Co-supervisor. The candidate shall bring the attendance certificate from the place where the project work was carried out.

A Project Assessing Committee (PAC) shall be constituted with HoD and two senior faculty members of the Department. The PAC shall announce the dates for the reviews and demonstration. The student shall make a presentation on the progress and demonstration of their project before the PAC in the presence of their supervisor on the scheduled dates.

#### **4.2.6. Ability Enhancement Course (AEC)**

There are four Ability Enhancement Courses offered during the first four semesters. Three credits are awarded for each course and the examinations shall be conducted at the end of each semester. Students have to earn a minimum of 12 Credits in Ability Enhancement Courses.

#### **4.2.7. Internship**

The students exiting the programme after first year or second year must have completed 04 credits internship/apprenticeship during first year and second year summer term.

#### **4.2.8. Value Added Courses (VAC)**

The students will study Value Added Courses in the first four semesters of their programme. 6 to 8 credits need to be earned under VAC. The examinations will be conducted at the end of each semester for VAC courses.

The assessment of the VAC is based on Internal Evaluation. The components of evaluation and distribution of marks is as follows:

<b>S. No.</b>	<b>Category</b>	<b>Maximum Marks</b>
1.	Assignment	5
2.	Attendance	5
3.	Seminar	5
4.	Test – I (2 ½ Units)	12.5
5.	Test – II (2 ½ Units)	12.5
6.	Final Assessment (5 Units)	60
<b>Total</b>		<b>100</b>

#### **4.2.9. Research Project /Dissertation**

The candidates shall undertake the Research Project work in the eighth Semester in the Department/Industry/Research Institute (National / International). The report shall be submitted at the end of the eighth semester. Students have to earn a minimum of 12 Credits in Research Project/Dissertation Work.

If the candidate undertakes the Research Project work outside the Department, the faculty concerned within the Department shall be the Supervisor and the teacher/scientist of the host Institute will be the Co-supervisor. The candidate shall bring the attendance certificate from the place where the project work was carried out.

HoD shall assign a Project Supervisor who shall monitor the student's project work(s). A Project Assessing Committee (PAC) shall be constituted with HoD and two senior faculty members of the Department. The PAC shall announce the dates for the reviews and demonstration. The student shall make a presentation on the progress and demonstration of their project before the PAC in the presence of their Supervisor on the scheduled dates.

#### **Approval of the project**

The candidate has to submit, in consultation with his/her supervisor, the title, objective and the action plan of his/her project to the PAC on the first review. Only after obtaining the approval of PAC, the student can initiate the project work.

### **5. ADVANCED LEARNERS AND ON-DEMAND EXAMINATION**

Students

1. Who secure 7.5 CGPA and maintain an attendance of 75% in every semester.
2. Who clear all the courses in their first appearance itself.

are referred to as advanced learners. When a student fails to maintain any of the above conditions at any given time, he cannot be an advanced learner further.

These students can request for an on-demand examination for the courses in their forthcoming semester(s). These students on prior registration can appear for such examinations well in advance and complete the entire courses well before the prescribed period of study and can progress for a full time Research Project/Internship/Minor Project during the remaining prescribed period of study. The Internal and External examinations will be conducted for these courses as like the other courses. One or more faculty mentors will be allocated based on the number of students/courses enrolled for the on-demand examination.

Also, these advanced learners can register for online courses from NPTEL/SWAYAM/SWAYAM Plus portals on prior and proper registration from the department. The credits earned from those courses will be transferred to the mark statement of the students.

## **6. CREDIT TRANSFER THROUGH ONLINE PLATFORM / INTERNATIONAL STUDIES**

Students are encouraged to enroll in courses offered by MOOC platforms and international institutions of higher learning, either virtually or in person. The equivalent credits for these courses will be determined by a committee named Subject Equivalency Committee comprising the Dean, Head of Department (HoD), and one faculty member nominated by the Vice Chancellor. The committee's decision will be submitted for ratification/approval by the Board of Studies (BoS) and the Academic Council. Additionally, the equivalent grade points for marks/grades/grade points awarded by various MOOC platforms and international institutions of higher learning will be determined by a committee named Grade Equivalency Committee duly constituted by the Vice-Chancellor. The decisions of this committee will be submitted for ratification/approval by the Academic Council. This has been approved to be implemented from the even semester of the academic year 2024-25.

## **7. EXTRA CURRICULAR ACTIVITIES**

Every student is encouraged to participate in at least any one of the following activities:

- National Service Scheme (NSS)
- National Cadet Corps (NCC)
- Sports / Mass drill

- Youth Red Cross (YRC)
- Club activities
- Other Extra-curricular activities

The student's performance shall be examined by the staff in-charge of activities along with the faculty mentor and the Head of the respective department. Marks for Extra-curricular shall be sent to the Controller of Examination (CoE) before the commencement of the Sixth End Semester Examinations. The above activities shall be conducted outside the regular working hours of the KAHE.

## **8. MEDIUM OF INSTRUCTION**

**The medium** of instruction and examinations for the courses under Language I – Tamil / Hindi / Malayalam / French / Sanskrit shall be in the language concerned. For all other courses, the medium of instruction and examination should be in English.

## **9. MAXIMUM MARKS**

**Evaluation:** Evaluation of the course comprise of two parts such as the Continuous Internal Assessment (CIA) and the End Semester Examination (ESE).

All the theory and practical courses shall carry a maximum of 100 marks, out of which 40 marks is awarded for Continuous Internal Assessment (CIA) and 60 marks for End Semester Examinations (ESE).

## **10. FACULTY MENTOR**

To help students in planning their courses of study and for general advice on the academic programme, the HoD shall allot twenty students to a faculty who will function as a faculty mentor throughout their period of study. A Faculty mentor shall advise the students and monitor their behavior and academic performance. Problems if any shall be counseled by them periodically. The faculty mentor is also responsible to inform the parents of their mentee's progress. The Faculty mentor shall display the cumulative attendance particulars of his / her mentees periodically (once in 2 weeks) on the Notice Board to know their attendance status and satisfy the clause 14 of this regulation.



## **11. ONLINE COURSE COORDINATOR**

To help students for planning their online courses and for general orientation on online courses, the HoD shall nominate a coordinator for the online courses. The Online course coordinator shall identify the courses which students can select for their programme from the available online courses offered by different agencies periodically and inform the same to the students. Further, the coordinators shall orient the students regarding the online courses and monitor their participation.

## **12. CLASS COMMITTEE**

Every class shall have a Class Committee consisting of the faculty members of various courses of the class concerned, student representatives (Minimum 2 boys and 2 girls of various capabilities and Maximum of 6 members) and the concerned HoD / senior faculty as Chairperson. The objective of the Class Committee Meeting is all about the teaching – learning process. Class Committee shall be convened at least once in a month. The constitution and functions of the Class Committee shall include

1. The class committee shall be constituted during the first week of each semester.
2. The Class Committee of a particular class of any department is normally constituted by the HoD/Chairperson of the Class Committee. However, if the students of different departments are mixed in a class, the Class Committee shall be constituted by the respective Dean of the Faculty.
3. The HoD/Chairperson of the Class committee is authorized to convene the meeting of the class committee.
4. The respective Dean of the Faculty has the right to participate in any Class committee meeting.
5. The Chairperson is required to prepare the minutes of every meeting, and submit the same to the Dean concerned within two days after having convened the meeting. Serious issues if any shall be brought to the notice of the Registrar by the HoD/Chairperson immediately.
6. Analyzing and solving problems experienced by students in the class room and in the laboratories.
7. Analyzing the performance of the students of the class after each test and finding the ways and means to improve the performance.

### **13. COURSE COMMITTEE FOR COMMON COURSES**

Each common theory course offered to more than one discipline or department shall have a “Course Committee” comprising all the teachers handling the common course with one of them nominated as Course Coordinator. The nomination of the course coordinator shall be made by the respective Dean depending upon whether all the teachers handling the common course belong to a single department or to various other departments. The ‘Course Committee’ shall meet in order to arrive at a common scheme of evaluation for the tests to ensure a uniform evaluation of the tests. If feasible, the course committee shall prepare a common question paper for the Internal Assessment test(s). Course Committee Meeting is conducted once in a semester.

### **14. REQUIREMENTS TO APPEAR FOR THE END SEMESTER EXAMINATION**

a. Every student is expected to attend all classes and should secure 100% attendance. However, in order to allow for certain unavoidable circumstances, the student is expected to have at least 75% of attendance and the conduct of the candidate has been satisfactory during the programme.

b. A candidate who has secured attendance between 65% and 74% (both included), due to medical reasons (Hospitalization / Accident / Specific Illness) shall be given exemption from prescribed minimum attendance requirements and shall be permitted to appear for the examination on the recommendation of the Head of Department concerned and the Dean. The Head of Department has to verify and certify the genuineness of the case before recommending to the Dean concerned. However, the candidate has to execute an undertaking from the parent and the student should assure that, this situation does not arise in the future.

c. However, a Student who has secured less than 65% in any of the semesters due to any reasons, shall not be permitted to appear for the End Semester Examinations. But he/she will be permitted to appear for his/her arrear examinations. In order to redo the semester with lack of attendance he/she has to attend the corresponding semester of the subsequent year(s) with approval of the Dean of the Faculty, Dean - Students Affairs and the Registrar.

## 15. PROCEDURE FOR AWARDING MARKS FOR INTERNAL ASSESSMENT

**15.1 Attendance and Assessment:** Every Faculty is required to maintain an **Attendance and Assessment Record (Log book)** which consists of attendance of students marked for each lecture/practical/ project work, the CIA, Assignment and Seminar marks and the record of class work completed (topic covered), separately for each course. This should be submitted to the HoD once in a week for checking the syllabus coverage, records of test marks and attendance. The HoD shall sign with date after due verification. The same shall be submitted to respective Dean once in a fortnight. After the completion of the semester the HoD should keep this record in safe custody for five years as records of attendance and assessment shall be submitted for inspection as and when required by the KAHE/any other approved body.

**15.2 Continuous Internal Assessment (CIA):** The performance of students in each course will be continuously assessed. Retest will be conducted and considered based on the requirements and recommendations by the Head of the Department on valid reasons. The distribution of marks for the Continuous Internal Assessment (CIA) are given below:

### Theory Courses

S. No.	Category	Maximum Marks
1.	Assignment	5
2.	Attendance	5
3.	Seminar	5
4.	Test – I (2 ½ Units)	12.5
5	Test – II (2 ½ Units)	12.5
<b>Total</b>		<b>40</b>

### Practical Courses

S.No.	Category	Maximum Marks
1.	Attendance	5
2.	Observation work	5
3.	Record work	5
4.	Internal Practical Assessment	20
5.	<i>Viva – voce</i> [Comprehensive]*	5
<b>Total</b>		<b>40</b>

\*

Includes *Viva- voce* conducted during the model Exam practical.

Every practical Exercise / Experiment shall be evaluated based on the conduct of Exercise/ Experiment and records maintained.

### 15.3 Portions for Test Question Paper

Portions for Internal Test – I : 2 ½ Units

Portions for Internal Test – II : 2 ½ Units

### 15.4 Pattern of Test Question Paper

**Theory Courses:**

**Maximum Marks : 100**

**Duration: 3 Hours**

Section	Marks
Part – A	Short Answer Answer ALL the Questions (10 x 2 = 20 Marks)
Part - B	Long Answer – 5 six mark questions ‘either – or’ type Answer ALL the Questions (5 x 6 = 30 Marks)
Part - C	Essay type Answer– 5 ten mark questions ‘either – or’ type Answer ALL the Questions (5 x 10 = 50 Marks)

### 15.5 Attendance

#### Distribution of Marks for Attendance

S. No.	Attendance (%)	Maximum Marks
1	91 and above	5
2	81 - 90	4
3	76 - 80	3
4	Less than or equal to 75	0

## 16. ESE EXAMINATIONS

**16.1 End Semester Examination (ESE):** End Semester Examination will be held at the end of each semester for each course. The question paper is for a maximum of 100 marks.

### 16.2 Pattern of ESE Question Paper:

**Theory Courses:**

**Maximum Marks: 100**

**Duration: 3 Hours**

Section	Marks
Part – A	Short Answer Answer ALL the Questions (10 x 2 = 20 Marks)
Part - B	Long Answer – 5 six mark questions ‘either – or’ type Answer ALL the Questions (5 x 6 = 30 Marks)
Part - C	Essay type Answer– 5 ten mark questions ‘either – or’ type Answer ALL the Questions (5 x 10 = 50 Marks)

The 100 Marks will be converted to 60 Marks.

**Practical Courses:** There shall be combined valuation by the Internal and External examiners. The pattern of distribution of marks shall be as given below.

S. No.	Category	Maximum Marks
1.	Experiments	40
2.	Record work	10
3.	<i>Viva – voce</i> [Comprehensive]	10
<b>Total</b>		<b>60</b>

### Record Notebooks for Practical Examination

Candidate taking the practical examination should submit Bonafide Record Notebook prescribed for the practical examination; failing which the candidate will not be permitted to take the practical examination.

In case of failures in Practical Examination, the marks awarded for the Record at the time of first appearance of the Practical Examination shall remain the same at the subsequent appearance also by the candidate.

### **16.3. Evaluation of Project Work**

**16.3.1** The project work shall carry a maximum of 100 marks.

(CIA - 40 and ESE – 60\*)

\*Combined valuation of Internal and External Examiners.

**16.3.2** The project report prepared according to the approved guidelines and duly signed by the supervisor(s) shall be submitted to HoD.

**16.3.3** The evaluation of the project will be based on the project report submitted and a *viva-voce* examination by a team consisting of the supervisor, who will be the Internal Examiner and an External Examiner who shall be appointed by the Controller of Examination. In case the supervisor is not available, the HoD shall act as an Internal Examiner for the same.

**16.3.4** If a candidate fails to submit the project report on or before the specified date given by the Examination Section, the candidate is deemed to have failed in the Project Work and shall re-enroll for the same in a subsequent semester.

If a candidate fails in the respective *viva-voce* examinations he/she has to resubmit the Project Report within 30 days from the date of declaration of the results. The same Internal and External examiner shall evaluate the resubmitted report in the subsequent semester.

**16.3.5** A Copy of the approved project report after the successful completion of *viva-voce* examination shall be kept in the KAHE library.

## **17. PASSING REQUIREMENTS**

**17.1** Passing minimum: A candidate needs to secure a minimum of 20 marks out of 40 marks in CIA and 30 marks out of 60 marks in ESE. The overall passing minimum in each course is 50 marks out of 100 marks (Sum of the marks in CIA and ESE examination).

**17.2** If a candidate fails to secure a pass in a particular course (either CIA or ESE or Both) as per clause 15.1, it is mandatory that the candidate has to register and reappear for the examination in that course during the subsequent semester when examination is conducted for the same till, he / she receives pass both in CIA and ESE (vide Clause 2.1).

**17.3** Candidate failed in CIA will be permitted to improve CIA marks in the subsequent semesters by writing tests and by re-submitting Assignments.

**17.4** The CIA marks secured by the candidate in the first passed attempt shall be retained by the Office of the Controller of Examinations and considered valid for all subsequent attempts till the candidate secures a pass in ESE.

**17.5** A Candidate who is absent in ESE in a Course / Practical / Project Work after having enrolled for the same shall be considered to have Absent (AAA) in that examination.

## **18. IMPROVEMENT OF MARKS IN THE COURSES ALREADY PASSED**

The Candidates desirous to improve the marks secured in a course which they passed in their first attempt, shall reappear once (**only in ESE**) in the subsequent semester. **The improved marks shall be considered for classification but not for ranking.** If there is no improvement, there shall be no change in the marks awarded earlier.

## **19. AWARD OF LETTER GRADES**

All the assessments of a course will be done on absolute marks basis. However, for the purpose of reporting the performance of a candidate, letter grades, each carrying certain number of points, will be awarded as per the range of total marks (out of 100) obtained by the candidate in each course as detailed below:

<b>Letter grade</b>	<b>Marks Range</b>	<b>Grade Point</b>	<b>Description</b>
O	91 - 100	10	OUTSTANDING
A+	81 - 90	9	EXCELLENT
A	71 - 80	8	VERY GOOD
B+	66 - 70	7	GOOD
B	61 - 65	6	ABOVE AVERAGE
C	55 - 60	5	AVERAGE
D	50 - 54	4	PASS
RA	<50	-	REAPPEARANCE
AAA	-	-	ABSENT

## **20. GRADE SHEET**

After the declaration of the results, Grade Sheets will be issued to each student which will contain the following details:

- i. The list of courses enrolled during the semester and the grade scored.
- ii. The Grade Point Average (**GPA**) for the semester and

iii. The Cumulative Grade Point Average (**CGPA**) of all courses enrolled from first semester onwards.

iv. Remark on Extension Activities (only in the 6<sup>th</sup> Semester Grade Sheet) GPA of a Semester and CGPA of a programme will be calculated as follows.

$$\text{GPA of a Semester} = \frac{\sum_i C_i G P_i}{\sum_i C_i}$$

Sum of the product of the GP by the corresponding credits of the courses offered in that Semester

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Sum of the credits of the courses of that Semester

i.e. **GPA** of a Semester =  $\frac{\sum_i C_i G P_i}{\sum_i C_i}$

Sum of the product of the GPs by the corresponding credits of the courses offered for the entire

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Sum of the credits of the courses

**CGPA** of the entire programme =-- of the entire programme

i.e. **CGPA** of the entire programme =  $\frac{\sum_n \sum_i C_{ni} G P_{ni}}{\sum_n \sum_i C_{ni}}$

where,

- C<sub>i</sub> is the credit fixed for the course 'i' in any semester
- G<sub>Pi</sub> is the grade point obtained for the course 'i' in any semester
- 'n' refers to the Semester in which such courses are credited.

**Note:** RA grade will be excluded for calculating **GPA** and **CGPA**.

## 21. REVALUATION

A candidate can apply for revaluation or re-totalling of his / her semester examination answer script (**theory courses only**), within 2 weeks from the date of declaration of results, on payment of a prescribed fee. The prescribed application has to be sent to the Controller of Examinations through the HoD. **A candidate can apply for revaluation of answer scripts not exceeding 5 courses at a time.** The Controller of Examinations will arrange for the



reevaluation and the results will be intimated to the candidate through the HoD concerned. Reevaluation is not permitted for Supplementary Examinations.

## **22. TRANSPARENCY AND GRIEVANCE COMMITTEE**

Reevaluation and Retotaling are allowed on representation (clause 21). Student may get the Xerox copy of the answer script on payment of prescribed fee, if he / she wishes. The student may represent the grievance, if any, to the Grievance Committee, which consists of Dean of the Faculty, (if Dean is HoD, the Dean of another Faculty nominated by the KAHE), the HoD of Department concerned, the faculty of the course and Dean from other discipline nominated by the KAHE and the CoE. If the Committee feels that the grievance is genuine, the script may be sent for external valuation and the marks awarded by the External examiner will be final. The student has to pay the prescribed fee for the same.

## **23. ELIGIBILITY FOR THE AWARD OF THE DEGREE**

**A student shall be declared to be eligible for the conferment of the Degree if he / she**

- Successfully completed all the components prescribed under Part I to Part IV in the CBCS pattern to earn the minimum required credits as specified in the curriculum corresponding to his / her programme within the stipulated period (vide clause 2.1).
- No pending disciplinary enquiry/ action against him/her.
- The award of the degree must be approved by the Board of Management.

## **24. CLASSIFICATION OF THE DEGREE AWARDED**

**24.1** Candidates who qualify for the award of the Degree (vide clause 23) having passed the examination in all the courses in their first appearance, within the specified minimum number of semesters and securing a **CGPA not less than 8** shall be declared to have passed the examination in the **First Class with Distinction**.

**24.2** Candidates who qualify for the award of the Degree (vide clause 23) having passed the examination in all the courses within the specified maximum number of semesters (vide clause 2.1), securing a **CGPA not less than 6.5** shall be declared to have passed the examination in the **First Class**.

**24.3** Candidates (not covered in vide clauses 24.1 and 24.2) who qualify for the award of the degree (vide Clause 23) shall be declared to have passed the examination in the **Second Class**.

## **25. RANKING**

Candidates who qualify for the UG Degree programme passing all the Examinations in the first attempt, within the minimum period prescribed for the programme of study from Semester I through Semester VI/VIII to the programme shall be eligible for ranking. Such ranking will be confined to 10% of the total number of candidates qualified in that particular programme of study subject to a maximum of 10 ranks.

## **26. SUPPLEMENTARY EXAMINATION**

Supplementary Examination will be conducted only for the final semester students within ten days from the date of publication of results for students who have failed in one theory course only. Such students shall apply with prescribed fee to the Controller of Examinations within the stipulated time.

## **27. DISCIPLINE**

**27.1.** If a student indulges in malpractice in any of the Internal / External Examinations he / she shall be liable for punitive action as prescribed by the KAHE from time to time.

**27.2.** Every student is required to observe discipline and decorous behavior both inside and outside the campus and not to indulge in any activity which will tend to bring down the prestige of the KAHE. The erring students will be referred to the disciplinary committee constituted by the KAHE, to enquire into acts of indiscipline and recommend the disciplinary action to be taken.

## **27. KAHE ENTRANCE EXAMINATION**

At the end of Sixth Semester or Eighth Semester, the KAHE Entrance Examinations will be conducted who are aspiring for Higher Education (PG or Ph.D).

## **28. REVISION OF REGULATION AND CURRICULUM**

Karpagam Academy of Higher Education may from time-to-time revise, amend or change the Regulations, Scheme of Examinations and Syllabi, if found necessary.

### Annexure I

S.No.	Programme	Subject	Eligibility
1.	B. Sc.	Biotechnology	Candidates who have passed Higher Secondary Education (XII) or any equivalent Examination conducted by a State Government or a University or Board under the 10+2 pattern taking Biology or Botany or Zoology or chemistry as subjects at the Higher Secondary level.
2.	B. Sc.	Computer Science	Candidates who have passed Higher Secondary Education (XII) or any equivalent Examination conducted by a State Government or a University or Board under the 10+2 pattern. preferably taking Mathematics/Statistics/Computer/Information Science being one of the subjects (OR) 3 year diploma after 10 <sup>th</sup> or 10+2 pattern of education taking computer science/maths as one of the subject.
3.	B. Sc.	Microbiology	Candidates who have passed Higher Secondary Education (XII) or any equivalent Examination conducted by a State Government or a University or Board under the 10+2 pattern taking Biology or Botany Zoology or chemistry as subjects at the Higher Secondary level.
4.	B. Sc.	Information Technology	Candidates who have passed Higher Secondary Education (XII) or any equivalent Examination conducted by a State Government or a University or Board under the 10+2 pattern preferably taking Mathematics/Statistics/Computer/Information Science being one of the subjects (OR) 3 year diploma after 10 <sup>th</sup> or 10+2 pattern of education taking computer science/maths as one of the subject.
5.	B. Sc.	Computer Technology	Candidates who have passed Higher Secondary Education (XII) or any equivalent Examination conducted by a State Government or a University or Board under the 10+2 pattern preferably taking Mathematics/Statistics/Computer/Information Science being one of the subjects (OR) 3 year diploma after 10 <sup>th</sup> or 10+2 pattern of education taking computer science/maths as one of the subject.
6.	B.Sc.	Computer Science( Cognitive Systems)	Candidates who have passed Higher Secondary Education (XII) or any equivalent Examination conducted by a State Government or a University or Board under the 10+2 pattern preferably taking Mathematics/Statistics/Computer/Information Science being one of the subjects (OR) 3 year diploma after 10 <sup>th</sup> or 10+2 pattern of education taking computer science/maths as one of the subject.

7.	B.Sc.	Computer Science (Artificial Intelligence and Data Science)	Candidates who have passed Higher Secondary Education (XII) or any equivalent Examination conducted by a State Government or a University or Board under the 10+2 pattern preferably taking Mathematics/Statistics/Computer/Information Science being one of the subjects (OR) 3 year diploma after 10 <sup>th</sup> or 10+2 pattern of education taking computer science/maths as one of the subject.
8.	BCA	Computer Application	Candidates who have passed Higher Secondary Education (XII) or any equivalent Examination conducted by a State Government or a University or Board under the 10+2 pattern preferably taking Mathematics/Statistics/Computer/Information Science being one of the subjects (OR) 3 year diploma after 10 <sup>th</sup> or 10+2 pattern of education taking computer science/maths as one of the subject.
9.	B. Com.	Commerce	Candidates who have passed Higher Secondary Education (XII) or any equivalent Examination conducted by a State Government or a University or Board under the 10+2 pattern Commerce as a subject under the academic or vocational stream at the Higher Secondary level
10.	B.Com (CA)	Commerce with Computer Applications	Candidates who have passed Higher Secondary Education (XII) or any equivalent Examination conducted by a State Government or a University or Board under the 10+2 pattern Commerce as a subject under the academic or vocational stream at the Higher Secondary level
11.	B. Com. (PA)	Commerce with Professional Accounting	Candidates who have passed Higher Secondary Education (XII) or any equivalent Examination conducted by a State Government or a University or Board under the 10+2 pattern Commerce as a subject under the academic or vocational stream at the Higher Secondary level
12.	B. Com. (BPS)	Commerce with Business Process Services	Candidates who have passed Higher Secondary Education (XII) or any equivalent Examination conducted by a State Government or a University or Board under the 10+2 pattern Commerce as a subject under the academic or vocational stream at the Higher Secondary level
13.	B.B.A.	Business Administration	Candidates who have passed Higher Secondary Education (XII) or any equivalent Examination conducted by a State Government or a University or Board under the 10+2 pattern Commerce as a subject under the academic or vocational stream at the Higher Secondary level
14.	B. Com	Financial Analytics	Candidates who have passed Higher Secondary Education (XII) or any equivalent Examination conducted by a State Government or a University or Board under the 10+2 pattern Commerce as a subject under the academic or vocational stream at the Higher Secondary level

15.	B. Com	International Accounting and Finance	Candidates who have passed Higher Secondary Education (XII) or any equivalent Examination conducted by a State Government or a University or Board under the 10+2 pattern Commerce as a subject under the academic or vocational stream at the Higher Secondary level
16.	B.Com	Information Technology	Candidates who have passed Higher Secondary Education (XII) or any equivalent Examination conducted by a State Government or a University or Board under the 10+2 pattern Commerce as a subject under the academic or vocational stream at the Higher Secondary level
17.	B. Sc.	Computer Science (Cyber Security)	Candidates who have passed Higher Secondary Education (XII) or any equivalent Examination conducted by a State Government or a University or Board under the 10+2 pattern preferably taking Mathematics/Statistics/Computer/Information Science being one of the subjects (OR) 3 year diploma after 10 <sup>th</sup> or 10+2 pattern of education taking computer science/maths as one of the subject.
18.	B. Com	FinTech.	Candidates who have passed Higher Secondary Education (XII) or any equivalent Examination conducted by a State Government or a University or Board under the 10+2 pattern Commerce as a subject under the academic or vocational stream at the Higher Secondary level

# Karpagam Innovation and Incubation Council (KIIC)

(A Section 8 Company)

Based on the 2019 National Innovation and Startup Policy and the 2019–2023 Tamil Nadu Startup Policy, KIIC has recommended to the KAHE students who are affiliated with the KIIC that it be incorporated in the university Program Regulations 2023-24 and implement from this academic year.

## Norms to Student Start-Ups

- a) Any (UG/PG / (Ph.D.) Research scholars, student, right from the first year of their program is allowed to set a startup (or) work part time/ full time in a startup or work as intern in a startup
- b) Any (UG/PG / (Ph.D.) Research scholars) student right from the first year of their program is allowed to earn credit for working on Innovative prototypes/business Models/ Pre incubation (case to case basis).
- c) Start Up activities will be evaluated based on the guidelines being given by the expert committee of the KIIC
- d) Student Entrepreneurs may use the address of incubation center (KIIC) to register their venture while studying in KAHE.
- e) Students engaged in startups affiliated with the KIIC or those who work for them may be exempted from KAHE's attendance requirements for academic courses under current regulations, up to a maximum of 30% attendance per semester, including claims for ODs and medical emergencies Potential Students who have been incubated at KIIC may be permitted to take their University semester exams even if their attendance is below the minimum acceptable percentage, with the proper authorization from the head of the institution. (On case-to-case basis depends upon the applicability strength, societal benefits and quality of the Innovation and Subsequent engagement of the students with the/ her business)
- f) Any Students Innovators/entrepreneurs are allowed to opt their startup in place mini project /major project, /seminar and summer training etc. (In plant training, Internship, value added Course.). The area in which the student wishes to launch a Startup may be interdisciplinary or multidisciplinary.
- g) Student's startups are to be evaluated by Expert committee, formed by KIIC and KAHE

## Guide lines to award Credits/ Marks to a Student startup

Student's startup stages are divided into five phases and these startup phases can be considered equally in place of the course title as mentioned below with the same credits allotted to the course title in a University curriculum.

Sl. No.	Description/Startup phases	In place of the Subject / Course title	Grades/Credits /Marks
1	Idea stage/Problem Identification	Seminar	Same Marks/Credits can be awarded that are listed in the course title's curriculum for the respective startup phases.
2	Proof of Concept (POC) /Solution development	In-plant training /Internship	
3	Product Development (Lab scale) /Prototype Model/ Company Registered	Mini Project/ Value added Course	
4	Validation/Testing	Main Project phase I	
5	Business Model/Ready for Commercialization/Implementation	Main Project phase II,	

## **PROGRAM OUTCOMES (PO)**

- 1) Graduates will demonstrate solid foundation in stock trading, bookkeeping, accounting and professional fundamentals required to record the business transaction ability.
- 2) Graduates will apply IT and technical skills in stock market and accounting, taxation, and business management for effective decision-making.
- 3) Graduates will obtain the ability to analyze and solve complex business and stock market problems using quantitative and qualitative tools and technologies.
- 4) Graduates will exhibit critical thinking skills in understanding real-time business and stock market issues and advocate solutions.
- 5) Graduates will acquire and demonstrate interpersonal and communication skills to convey and negotiate ideas for achieving common goals.
- 6) Graduates will attain and exhibit skills to work as a team to make effective decisions in achieving common goals.
- 7) Graduates will demonstrate leadership skills to initiate, lead, and deliver the best performance together with team members.
- 8) Graduates of commerce will become capable of exhibiting comprehensive knowledge and understanding of different disciplines.
- 9) Graduates will acquire knowledge and skills relevant to real life, meeting economic, social, and cultural needs, and adapting to changing trends and demands of the workplace.
- 10) Students will gain the capability to solve different kinds of unfamiliar problems and understand real-life situations.
- 11) Graduates will develop the ability to independently research and analyze business problems and solutions, enhancing personal and professional growth.
- 12) Graduates will cultivate an understanding and appreciation of diverse cultural perspectives and practices, and apply this knowledge to global business environments.
- 13) Graduates will demonstrate the ability to make ethical decisions and understand the moral implications of business practices in various scenarios.
- 14) Graduates will exhibit leadership skills such as effective communication, team management, and strategic thinking necessary for leading business projects and teams.
- 15) Graduates will commit to continuous learning and professional development to stay





**DEPARTMENT OF COMMERCE**  
**FACULTY OF ARTS, SCIENCE, COMMERCE AND MANAGEMENT**  
**UG PROGRAM (CBCS) – B.Com FA(Financial Analytics)**  
**(2024 – 2025 Batch Onwards)**

Course code	Name of the course	Category	Outcomes		Instruction hour/week			Credits	Maximum marks			Page No.
			PO	PSO	L	T	P		CIA	ESE	Total	
<b>SEMESTER I</b>												
24LAUT101/ 24LAUH101/ 24LAUM101/ 24LAUS101/ 24LAUF101/	Language I: (Tamil I/ Hindi I/ Malayalam I/ Sanskrit I/ French I)	AEC 1	1,2,3	1,2	4			3	40	60	100	
24ENU101	English I	MDC 1	1,2,3,4,5,7	1,2	3			3	40	60	100	
24FAU101	Financial Accounting	MAJOR 1	1,2,3,7	1,2	7	1		5	40	60	100	
24FAUA101	Business Organization and Management	MINOR 1	1,3,4,6,7,11,14,15	1,2	7			4	40	60	100	
24FAU111	Computer Application in Business - Practical	SEC 1	1,3,4,5,6,7,9,10,11,14,15	1,2			6	3	40	60	100	
24VAC101	Yoga for Youth Empowerment	VAC 1	2,3,4,5,7,9,11,13,14,15	1,2	2			2	100		100	
<b>Semester Total</b>						<b>24</b>	<b>1</b>	<b>6</b>	<b>20</b>	<b>300</b>	<b>300</b>	<b>600</b>

<b>SEMESTER II</b>												
24LAUT201/ 24LAUH201/ 24LAUM201/ 24LAUS201/ 24LAUF201/	Language II: (Tamil II/ Hindi II/ Malayalam II/ Sanskrit II/ French II)	AEC 2			4			3	40	60	100	
24ENU201	English II	MDC2	2,3,4,6,9,11,13,14,15	1,2	3			3	40	60	100	
24FAU201	Advanced Financial Accounting	MAJOR 2	1,3,4,5,6,7,8,9,10,13	1,2	6	1		4	40	60	100	
24FAU202	Macro Economics for Financial Markets	MAJOR 3	1,3,4,9,15	1,2	4			2	40	60	100	
24FAUA201	Business Mathematics and Statistics	MINOR 2	2,3,4,6,9,11	1,2	5	1		4	40	60	100	
24FAU211	MS Excel for Managers - Practical	SEC 2	1,3,4,11,15	1,2			4	2	40	60	100	
24VAC201	Environmental Studies	VAC 2	1,8,9,11,12,13,15	1,2	2			2	40	60	100	
<b>Semester Total</b>						<b>24</b>	<b>2</b>	<b>4</b>	<b>20</b>	<b>280</b>	<b>420</b>	<b>700</b>

SEMESTER III												
24LAUT301/ 24LAUH301/ 24LAUM301/ 24LAUS301/ 24LAUF301/	Language III: (Tamil III/ Hindi III/ Malayalam III/ Sanskrit III/ French III)	AEC 3			4			3	40	60	100	
24ENU301	English III	MDC3	1,2,3,4	1,2	3			3	40	60	100	
24FAU301	Corporate Accounting	MAJOR 4	1,2,3,4,5,6	1,2	6	1		4	40	60	100	
24FAU302	Artificial Intelligence and Machine Learning for Financial Services	MAJOR 5	1,3,4,10	2	4			3	40	60	100	
24FAU303	Community Engagement and Social responsibility	MAJOR 6	1,2,3,4,5,6,7,10,15	2	2			2				
24FAUA301	Financial Reporting I	MINOR 3	1,2,3,4,5,6,15	1,2	5	1		4	40	60	100	
24FAU304	Financial Markets	MAJOR 7	1,5,11,13,15	1,2	5			3	40	60	100	
24VAC301	Indian Knowledge System	VAC 3	9,11,12,13,15	2	1			1	40	60	100	
24FAU391	Internship I	SI 1	1,2,3,4,5	1,2				2	100	0	100	
<b>Semester Total</b>					<b>30</b>	<b>2</b>	<b>0</b>	<b>25</b>	<b>340</b>	<b>360</b>	<b>700</b>	

SEMESTER IV												
24LAUT401/ 24LAUH401/ 24LAUM401/ 24LAUS401/ 24LAUF401/	Language IV (Tamil IV/ Hindi IV/ Malayalam IV/ Sanskrit IV/ French IV)	AEC 4			4			3	40	60	100	
24ENU401	English IV	SEC 3	1,2,3,8,10,12	1,2	3			3	40	60	100	
24FAU401	Cost Accounting	MAJOR 8	1,3,4,5,10,13	1,2	5	1		5	40	60	100	
24FAU402	Investment Analysis and Portfolio Management	MAJOR 9	1,3,5,11	1,2	4			3	40	60	100	
24FAUA401	Financial Reporting II	MINOR 4	1,2,3,8,10,12	1,2	5			4	40	60	100	
24FAU403	Fundamentals of Financial Technology	MAJOR 10	1,5,9,10,11,13	1,2	3			2	40	60	100	
24FAU411	NSE Smart Trading – Simulation Lab – Practical	MAJOR 11	1,5,9,12	1,2			4	2	40	60	100	
24VAC401	Cyber Security and Universal Human Values	VAC 4	4,5,7,12	1	1			1	40	60	100	
<b>Semester Total</b>					<b>25</b>	<b>1</b>	<b>4</b>	<b>23</b>	<b>320</b>	<b>480</b>	<b>800</b>	

SEMESTER V												
24FAU501	Management Accounting	MAJOR 12	1,3,4,5,6,7,10	1,2	6			5	40	60	100	
24FAU502A	Derivatives Market	MAJOR 13	1,3,4,5,9,11	1,2	6			4	40	60	100	
24FAU502B	Income Tax Law and Practice	MAJOR 13	1,3,4,5,10,11,13,15	1,2	5	1		4	40	60	100	
24FAU503A	Essential of Business Analytics	MAJOR 14	1,3,4,5,10,11	1,2	5			4	40	60	100	
24FAU503B	Business Law	MAJOR 14	1,3,4,5,7,10,13,15	1,2	5			4	40	60	100	
24FAU504	Structured Query Language	MAJOR 15	1,3,5	1,2	4			3	40	60	100	
24FAUA501	Business Economics	MINOR 5	1,3,4,5,7,10,13,15	1,2	5			4	40	60	100	
24FAU511	Financial Modelling – Practical	MAJOR 16	1,3,5,9,11,15	1,2			4	2	40	60	100	
24FAU591	Internship II	SI 2	1,2,3,4,5	1,2	26		4	2	100	00	100	
<b>Semester Total</b>					<b>26/25</b>	<b>1</b>	<b>4</b>	<b>2</b>	<b>340</b>	<b>360</b>	<b>700</b>	

SEMESTER VI												
24FAU601	Financial Planning and Wealth Management	MAJOR 17	1,3,5,9,11	1,2	5			4	40	60	100	
24FAU602A	Digital Marketing for Financial Products	MAJOR 18	1,3,5,9,10,11	1,2	4			3	40	60	100	
24FAU602B	Indirect Taxation	MAJOR 18	1,3,4,5,10	1,2	4			3	40	60	100	
24FAUA601	Investment Banking Operations	MINOR 6	1,5,9,11	1,2	5			4	40	60	100	
24FAU604	Python for Finance	MAJOR 19	1,5,9,11,15	1,2	4			3	40	60	100	
24FAU691	Project	MAJOR 20	1,2,3,4,5,6,8,9,10,11,14,15	1,2			12	6	40	60	100	
<b>Semester Total</b>						<b>18</b>	<b>12</b>	<b>20</b>	<b>200</b>	<b>300</b>	<b>500</b>	
<b>3<sup>rd</sup> year total</b>									<b>140</b>	<b>1700</b>	<b>2100</b>	<b>3800</b>

SEMESTER VII												
24FAU701	International Finance	MAJOR 21	1,3,4,5,9,12	1,2	6			5	40	60	100	
24FAU702	Research Methodology	MAJOR 22	1,2,3,4,6,15	1,2	6			4	40	60	100	
24FAU703	International Trade and Practice	MAJOR 23	1,2,3,4,6,10,12	1,2	6			4	40	60	100	
24FAUA701	Organizational Behaviour	MINOR 7	1,2,3,4,6,10	1,2	6			4	40	60	100	
24FAU711	SPSS – Practical	MAJOR 24	1,2,3,4,6,10,12,15	1,2		6	3	40	60	100		
<b>Semester Total</b>					<b>24</b>	<b>6</b>	<b>20</b>	<b>200</b>	<b>300</b>	<b>500</b>		

SEMESTER VIII A												
24FAU801	Entrepreneurship	MAJOR 25	1,2,3,4,5,6,9,10	1,2	6			4	40	60	100	
24FAUA801	Applied E - Commerce	MINOR 8	1,3,4,5,6,8,10,15	1,2	6			4	40	60	100	
24FAU802	Corporate Governance, Ethics and Social Responsibility	MAJOR 26	1,3,4,5,6,7,8,9,11, 13,14	1,2	6			4	40	60	100	
24FAU803	Audit and Assurance	MAJOR 27	1,4,5,6,7,8,9,11,13	1,2	6			4	40	60	100	
24FAU804	Insurance and Risk Management	MAJOR 28	1,3,4,5,7,13,14,15	1,2	6			4	40	60	100	
<b>Semester Total</b>								<b>20</b>	<b>200</b>	<b>300</b>	<b>500</b>	
<b>4<sup>th</sup> Year Total(A)</b>								<b>180</b>	<b>2100</b>	<b>2700</b>	<b>4800</b>	

SEMESTER VIII B												
24FAU801	Entrepreneurship	MAJOR 25	1,2,3,4,5,6,9,10	1,2	6			4	40	60	100	
24FAUA801	Applied E - Commerce	MINOR 8	1,3,4,5,6,8,10,15	1,2	6			4	40	60	100	
24FAU891	Research Project	RP	1,3,4,5,6,7,9,10	1,2		18	12	120	180	300		
<b>Semester Total</b>						<b>12</b>	<b>18</b>	<b>20</b>	<b>200</b>	<b>300</b>	<b>500</b>	
<b>4<sup>th</sup> Year Total(B)</b>								<b>180</b>	<b>2100</b>	<b>2700</b>	<b>4800</b>	

SEC: Skill Enhancement Courses; AEC: Ability Enhancement Courses; MDC-Multidisciplinary Courses; VAC-Value added courses; MA- Major courses; MI – Minor Courses; P-Project

Credits Split – up for 3<sup>rd</sup> year B.Com. FA Programme

S.No.	Course Criteria	Number of Courses	Total No. of Credits
1	Ability Enhancement Courses	4	12
2	Major Courses	20	69
3	Minor Courses	6	24
4	Multidisciplinary Courses	3	09
5	Skill Enhancement Courses	3	08
6	Internship	2	04
7	Value Added Courses	4	06
<b>Total</b>		<b>42</b>	<b>132</b>

Credits Split-up for 4<sup>th</sup> year B.Com. FA Programme–“A”

S.No.	Course Criteria	Number of Courses	Total No. of Credits
1	Ability Enhancement Courses	4	12
2	Major Courses	28	101
3	Minor Courses	8	32
4	Multidisciplinary Courses	3	09
5	Skill Enhancement Courses	3	08
6	Internship	2	04
7	Value Added Courses	4	06
<b>Total</b>		<b>52</b>	<b>172</b>

Credits Split-up for 4<sup>th</sup> year B.Com. FA Programme –“B”

S.No.	Course Criteria	Number of Courses	Total No. of Credits
1	Ability Enhancement Courses	4	16
2	Major Courses	24	85
3	Minor Courses	8	32
4	Multidisciplinary Courses	3	09
5	Skill Enhancement Courses	3	08
6	Internship	2	04
7	Value Added Courses	4	06
8	Project	1	12
<b>Total</b>		<b>49</b>	<b>172</b>

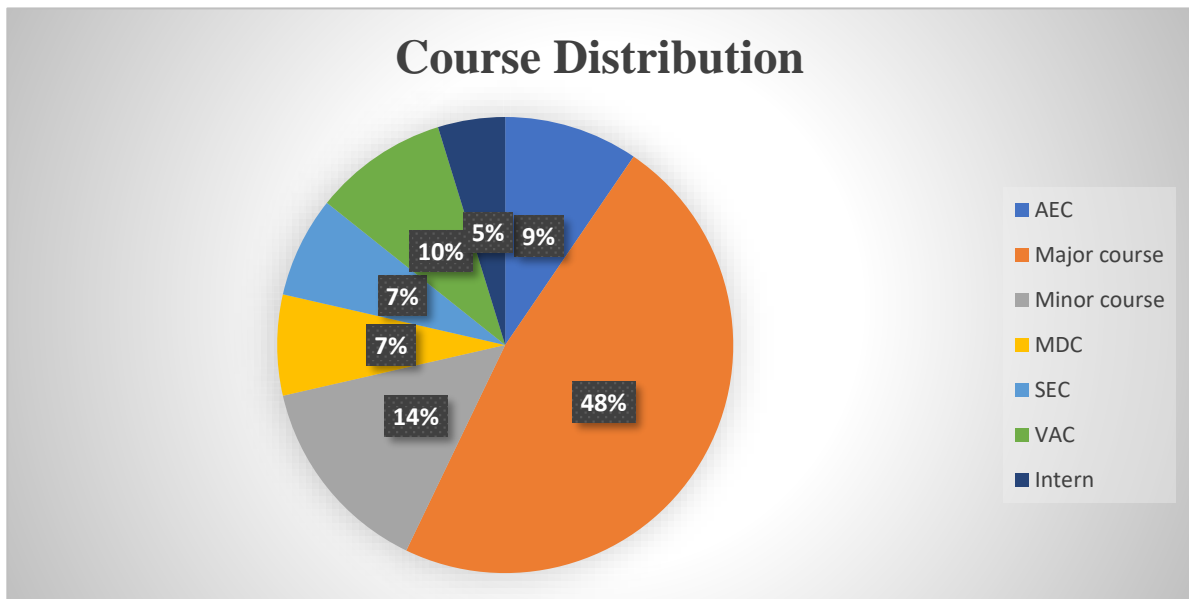
Credits splitup: B.Com. FA

Semester	AEC	Major course	Minor course	MDC	SEC	VAC	Internship	Project	Total credits
1.	3	5	4	3	3	2	-	-	20
2.	3	6	4	3	2	2	-	-	20
3.	3	12	4	3	-	1	2	-	25
4.	3	12	4	-	3	1	-	-	23
5.	-	18	4	-	-	-	2	-	24
6.	-	16	4	-	-	-	-	-	20
3 <sup>rd</sup> year Total	<b>12</b>	<b>69</b>	<b>24</b>	<b>9</b>	<b>8</b>	<b>6</b>	<b>4</b>	<b>-</b>	<b>132</b>
7.	-	16	4	-	-	-	-	-	20
8. A	-	16	4	-	-	-	-	-	20
4 <sup>th</sup> year total	<b>16</b>	<b>94</b>	<b>40</b>	<b>9</b>	<b>9</b>	<b>8</b>	<b>4</b>	<b>0</b>	<b>172</b>
8B	-	4	4	-	-	-	-	12	20
4 <sup>th</sup> year total	<b>16</b>	<b>88</b>	<b>32</b>	<b>9</b>	<b>9</b>	<b>6</b>	<b>4</b>	<b>12</b>	<b>172</b>

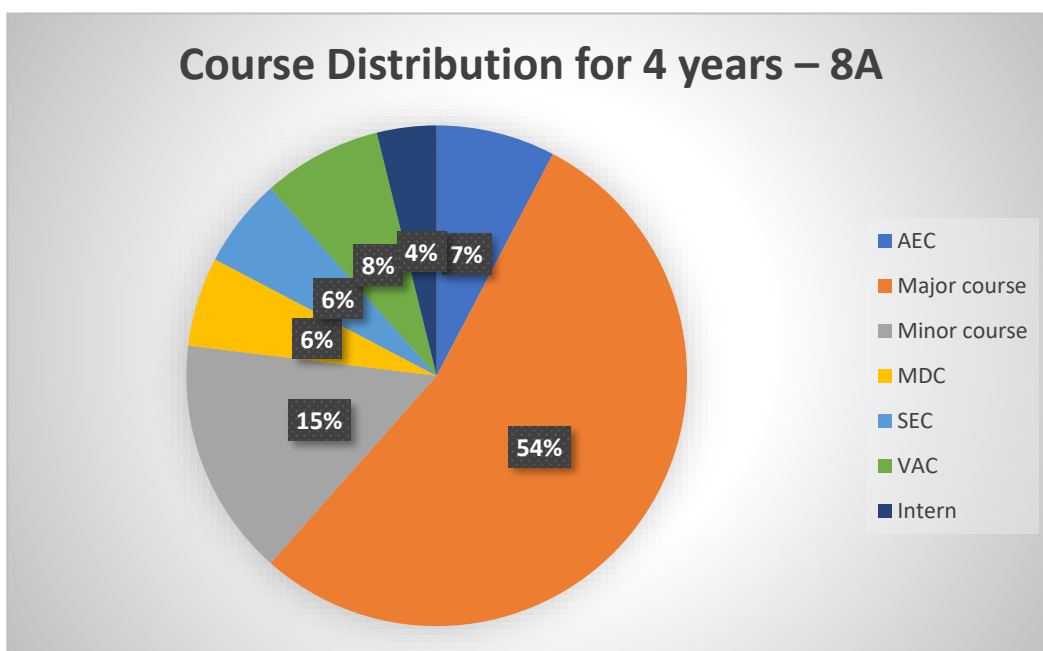
Courses Split up: B.Com. FA

Semester	AEC	Major course	Minor course	MDC	SEC	VAC	Intern	Project	Total courses	T	P	Int/ski ll/Pro
1.	1	1	1	1	1	1	-	-	6	5	1	-
2.	1	2	1	1	1	1	-	-	7	6	1	-
3.	1	4	1	1	-	1	1	-	9	8	-	1
4.	1	4	1	-	1	1	-	-	8	7	1	-
5.	-	5	1	-	-	-	1	-	7	5	1	1
6.	-	4	1	-	-	-	-	-	5	4	-	1
3 <sup>rd</sup> year Total	<b>4</b>	<b>20</b>	<b>6</b>	<b>3</b>	<b>3</b>	<b>4</b>	<b>2</b>	<b>-</b>	<b>42</b>	<b>35</b>	<b>4</b>	<b>3</b>
7.	-	4	1	-	-	-	-	-	5	4	1	-
8. A	-	4	1	-	-	-	-	-	5	5	-	-
4 <sup>th</sup> year total	<b>4</b>	<b>28</b>	<b>8</b>	<b>3</b>	<b>3</b>	<b>4</b>	<b>2</b>	<b>-</b>	<b>52</b>	<b>44</b>	<b>5</b>	<b>3</b>
8. B	-	1	1	-	-	-	-	1	3	2	-	1
4 <sup>th</sup> year total	<b>4</b>	<b>24</b>	<b>8</b>	<b>3</b>	<b>3</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>49</b>	<b>40</b>	<b>5</b>	<b>4</b>

### Course Distribution for 3 years

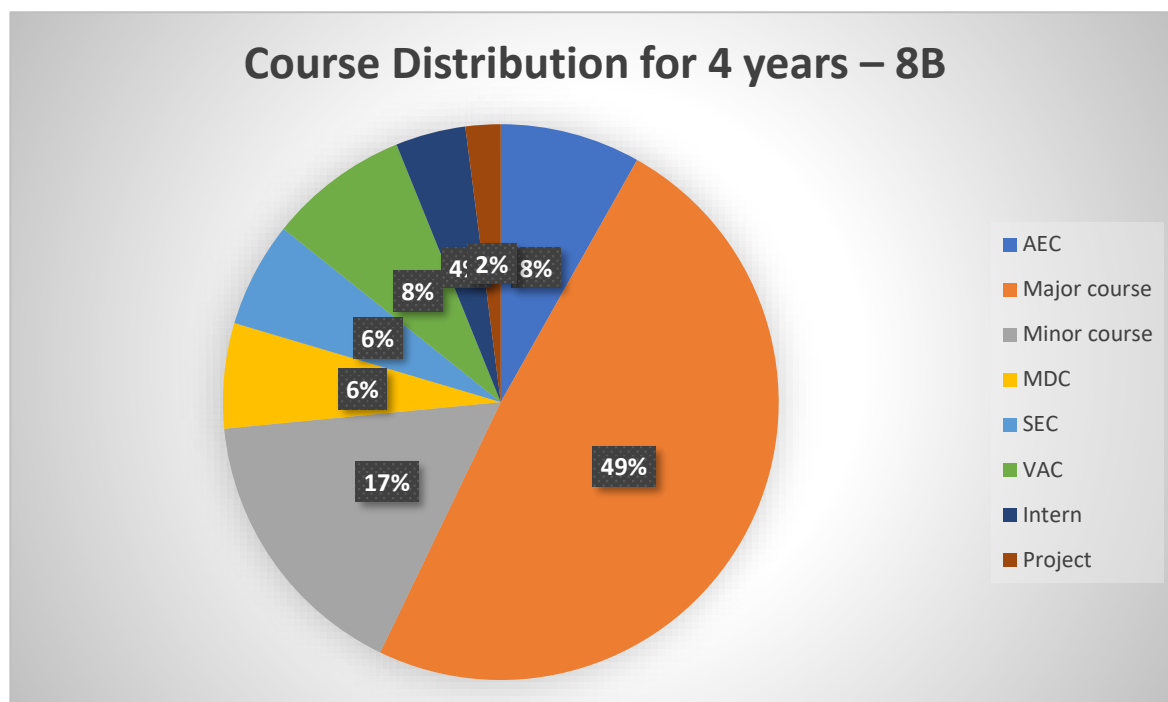


### Course Distribution for 4 years – 8A



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## Course Distribution for 4 years – 8B



ABILITY ENHANCEMENT COURSES		
Semester	Course Code	Name of the Course
I	24LAUT101/ 24LUH101/ 24LUM101/ 24LUS101/ 24LUF101	Language I – (Tamil – I / Hindi I/Malayalam I/ Sanskrit I/ French I)
II	24LAUT201/ 24LUH201/ 24LUM201/ 24LUS201/ 24LUF201	Language II (Tamil – II / Hindi II/Malayalam II/ Sanskrit II/ French II)
III	24LAUT301/ 24LUH301/ 24LUM301/ 24LUS301/ 24LUF301	Language III (Tamil III / Hindi III/Malayalam III/ Sanskrit III/ / French III)
IV	24LAUT301/ 24LUH301/ 24LUM301/ 24LUS301/ 24LUF301	Language IV (Tamil III / Hindi III/Malayalam III/ Sanskrit III/ / French III)

MAJOR COURSES		
Semester	Course Code	Name of the Course
I	24FAU101	Financial Accounting
II	24FAU201	Advanced Financial Accounting
II	24FAU201	Macro Economics for Financial Markets
III	24FAU301	Corporate Accounting
III	24FAU302	Artificial Intelligence and Machine Learning for Financial Services
III	24FAU303	Community Engagement and Social responsibility
III	24FAU304	Financial Markets

IV	24FAU401	Cost Accounting
IV	24FAU402	Investment Analysis and Portfolio Management
IV	24FAU403	Fundamentals of Financial Technology
IV	24FAU411	NSE Smart Trading – Simulation Lab – Practical
V	24FAU501	Management Accounting
V	24FAU502A	Derivatives Market
V	24FAU502B	Income Tax Law and Practice
V	24FAU503A	Essentials of Business Analytics
V	24FAU503B	Business Law
V	24FAU504	Structured Query Language
V	24FAU511	Financial Modelling – Practical
VI	24FAU601	Financial Planning and Wealth Management
VI	24FAU602A	Digital Marketing for Financial Products
VI	24FAU602B	Indirect Taxation
VI	24FAU604	Python for Finance
VI	24FAU691	Project
VII	24FAU701	International Finance
VII	24FAU704	Research Methodology
VII	24FAU703	International Trade and Practice
VII	24FAU711	SPSS - Practical
VIII	24FAU801	Entrepreneurship
VIII	24FAU802	Corporate Governance, Ethics and Social Responsibility
VIII	24FAU803	Audit and Assurance
VIII	24FAU804	Insurance and Risk Management
VIII	24FAU891	Research Project

#### MINOR COURSES

Semester	Course Code	Name of the Course
I	24FAUA101	Business Organization and Management
II	24FAUA201	Business Mathematics and Statistics
III	24FAUA301	Financial Reporting I
IV	24FAUA401	Financial Reporting II
V	24FAUA501	Business Economics
VI	24FAUA601	Investment Banking
VII	24FAUA701	Organizational Behaviour
VIII	24FAUA801	Applied E – Commerce

#### SKILL ENHANCEMENT COURSES

Semester	Course Code	Name of the Course
I	24FAU111	Computer Application in Business - Practical
II	24FAU211	Ms Excel for Managers - Practical
III	24FAU391	Internship I
IV	23ENU401	English IV
V	24FAU591	Internship II



<b>DISCIPLINE SPECIFIC ELECTIVES</b>		
<b>Semester</b>	<b>Course Code</b>	<b>Name of the Course</b>
V	24FAU502A	Derivatives Market
V	24FAU502B	Income Tax Law and Practice
V	24FAU503A	Essentials of Business Analytics
V	24FAU503B	Business Law
VI	24FAU602A	Digital Marketing for Financial Products
VI	24FAU602B	Indirect Taxation

<b>VALUE ADDED COURSES</b>		
<b>Semester</b>	<b>Course Code</b>	<b>Name of the Course</b>
I	23VAC101	Yoga for Youth Empowerment
II	23VAC201	Environmental Studies
II	23VAC202	Indian Knowledge System
III	23VAC301	Cyber Security and Universal Human Values

<b>MULTI DISCIPLINARY COURSES</b>		
<b>Semester</b>	<b>Course Code</b>	<b>Name of the Course</b>
I	23ENU101	English-I
II	23ENU201	English-II
III	23ENU301	English-III

**பாடத்திட்டப் பொதுநோக்கம்**

- கற்றல் மற்றும் கருத்து வெளிப்பாட்டு திறனை மேம்படுத்துதல்.
- இலக்கியத்தின் நுட்பங்களை உணர்த்தி, மனப்பக்குவத்தை வளர்த்தல்.
- சமூக உணர்வு மற்றும் பண்பாடு குறித்து அறிவூட்டல், அரசுத் தேர்வுகளுக்கு மாணவர்களை தயாராக்குதல்..

**பாடத்திட்டப் பயன்விளைவு**

- இந்தியக் குடியரிமைப்பணி முதலான போட்டித் தேர்வுகளில், விருப்பப்பாடமாக இடம்பெறுகின்ற, 'தமிழ் இலக்கிய வரலாறு' குறித்த முழுமையான அறிமுகம் பெற்றிருத்தல்.
- கல்வெட்டியல், ஓலைச் சுவடியியல் மற்றும் தொல்லியல் சார்ந்த ஆவணத் தேடலுக்குரிய ஆய்வு மனப்பான்மையுடன், இலக்கியங்களை அணுகுதல்.
- தமிழின் வளர்ச்சித் துறையாகிய, 'அறிவியல் தமிழ்'; 'இணைய தமிழ்' குறித்த பன் நோக்கு அணுகுமுறையிலான ஆய்வுச் சிந்தனை மேம்பாடு.
- வேலை வாய்ப்புக்குரிய சுயதிறன் மேம்பாட்டுடன், படைப்பாக்கத்திறன் மேம்பாடும் பெற்றிருத்தல்.
- சமுதாய மற்றும் வாழ்வியல் மதிப்புகளைப் பேணுவதற்குக் கருவியாக இலக்கியங்களை நாடுகின்ற மனப்பான்மை வளர்ச்சி. மொழிபெயப்புத்துறை சார்ந்த வேலைவாய்ப்புத்திறன் பெற்றிருத்தல்

**அலகு - I****8 மணிநேரம்**

**முச்சங்க வரலாறு** - சங்க இலக்கியத் தொகுப்பு - பாட்டும் தொகையும் - சங்க இலக்கியச் சிறப்பியல்புகள்

**சங்க இலக்கியம் - நற்றிணை** - கொண்டல் மாமழை - குறிஞ்சி -140

**சங்க இலக்கியம் - குறுந்தொகை** - அணிற்பல் லன்ன - நெய்தல் - 49

**அற இலக்கியம் - திருக்குறள்** - வினைத்திட்டம் (பொருட்பால் 661-670),  
பண்புடைமை (பொருட்பால் 991-1000)

**சிறுநிலக்கியம் - முக்கூடற்பள்ளு** - நெல்வகைகள், மீன்வகைகள்,  
மாடுவகைகள்

**காப்பியம் - சிலப்பதிகாரம்** - புகார் காண்டம் : மங்கலவாழ்த்துப் பாடல்:  
பொதியில் ஆயினும் - 'கோவலன் என்பான்மன்னோ' (1438),  
'நீலவிதானத்து' - 'நோன்புஎன்னை' (48-53).

**மனையறம்படுத்த காதை** - 'வார்ஒலிகூந்தலை' -

'சிறப்பின்கண்ணகிதனக்குஎன்' (84-90) **அரங்கேற்று காதை** -

'மாமலர்நெடுங்கண்' - 'அகம்மறந்து' (170-175).

**மதுரைக் காண்டம்** - கொலைக்களக்காதை : 'இருமுதுகுரவர்' -

'எழுந்தனன்யான்' (67- 83), 'வினைவிளை காலம்' - 'கொணர்க

ஈங்குஎன்' (148-153)

**கட்டுரைகாதை** - 'கடிபொழில்' - 'இல் சாபம்பட்டனிர்' (138-170)

**வழக்குரைக்காதை** - 'அல்லவை செய்தார்க்கு' - 'தோற்றான் உயிர்' (82-93)

**வஞ்சிக்காண்டம்** - நடுகல்காதை - 'மதுரை மூதூர்' - 'மன்னவர்ஏறு' (218-234)

**வாழ்த்துக்காதை** - 'என்னே இஃது' - 'தோன்றுமால்' (9)

**இலக்கணம்** - எழுத்து - முதல் மற்றும் சார்பெழுத்துகள்

**அலகு - II**

**12 மணிநேரம்**

**பத்துப்பாட்டு அறிமுகம்**

**சங்க இலக்கியம் - பதிற்றுப்பத்து** : சிதைந்தது மன்ற நீசிவந்தனை நோக்கலின் (மூன்றாம்பத்து - 27. வென்றிச் சிறப்பு)

**சங்க இலக்கியம் - கலித்தொகை** : சுடர்தொடிகு கேளாய் (கபிலர் - 51)

**அற இலக்கியம் - ஆசாரக்கோவை** - நன்றிமறவாமை, செய்யத்தகாதன, ஐம்பெரும்குறவர் வழிபாடு

**சிறீறிலக்கியம் - தமிழலங்காரம்** - வண்ணச்சரபம் தண்டபாணி சுவாமிகள் - 10 பாடல்கள்

1. கடல்நீரில் கல்மிதக்கும், 2. வண்டமிழ் ஆற்றுதி, 3. கோளத்தை முட்டி 4. எக்காலம் என்று,

5. கடவூர்மயானத்தொர், 6. தேவாதிதேவன், 7. விண்மாரி, 8. தேவர்முனிவர்,

9. அழுதேங்கிநஞ்சிட்ட, 10. அத்தனையொத்து.

**காப்பியம் - மணிமேகலை** : விழாவறைகாதை : 'தேவரும்மக்களும்' - 'மருங்குஎன்' (66-72)

**ஊரலர் உரைத்த காதை** : 'நாவல்ஓங்கிய' - 'உண்டுகொல்'(1-17), 'கற்றுத்துறை போகிய' - 'தீத்தொழில்படாஅள்' (32-57).

**பாத்திரம் பெற்ற காதை** - 'போதிநீழல்' - 'நல்அறம்கண்டனை' (73-98)

**சிறைக்கோட்டம் அறக்கோட்டம் ஆக்கியகாதை** - 'வாழிஎம்கோ' - 'அரசுஆள் வேந்துஎன்' (129-163)

**சொல் இலக்கணம்** - பெயர், வினை, இடை, உரிச்சொல் - விளக்கமும் பயிற்சியும்

**அலகு - III**

**10 மணிநேரம்**

**சங்க இலக்கியம் - பரிபாடல்** : புறத்திரட்டு - மதுரை நகர்ச்சிறப்பு - உலகம் ஒரு நிறையாத்தான்-7, மாயோன் கொப்பூழ்-8, செய்யாட்கு இழைத்த-9, கார்த்திகை காதில்-10, ஈவாரைக் கொண்டாடி-11

**சங்க இலக்கியம் - அகநானூறு** : அன்னை அறியினும் அறிக - தோழி - நெய்தல் - 110

**அற இலக்கியங்கள் அறிமுகம்**

**அற இலக்கியம் - பழமொழி நானூறு** : தேர்ந்தெடுக்கப்பட்ட 5 பாடல்கள்

உணற்குஇனிய 5, பரந்ததிறலாரை 32, நெடியது காண்கிலாய் 46, இனியாரும்

153, உரைசான்ற 195.

**சிறுநிலக்கியம் - நந்திக்கலம்பகம்** - தேர்ந்தெடுக்கப்பட்ட 5 பாடல்கள் என்னையே புகழ்ந்தேன், பதிதொறு புயல்பொழி, இந்தப் புவியில், அடிவிளக்கும்துகில், வானுறுமதியை

**சிறு காப்பியம் - சூளாமணி - அரசியல் சருக்கம்**- 1. நாவியே கமழும்(1131), 2. கண்மிசை கனிந்த (1132), 3. விரைசெல லிவுளித்(1133), 4. அரைசர்கள் வருக(1134), 5. அருளுமாறடிகள் (1135), 6. விஞ்சைய குலக (1136), 7. சொரிகதிர் (1137), 8.கரியவன் வளைந்த(1138), 9.மடித்தவா யெயிறு (1139),10. விஞ்சயரதனைக் (1140),

**துறவுச்சருக்கம்** - பயாபதி மன்னனின் துறவுநெறி -1.மன்னிய புகழி (1840), 2. திருமகிழலங்கன் (1841), 3. ஆங்கவ ரணைந்த (1842), 4. அலகுடன் விளங்கு(1843),5. தன்னையோர் அரசனாக்கி (1844), 6.சென்றநாள்(1845), 7. எரிபுரை(1846.),8.பிறந்தனர்(1847), 9. பிறந்தநாம் (1848), 10. தொகைமலர் (1849) 11. ஒழுகிய(1850).

**பொருள் இலக்கணம்** : அகத்திணை மற்றும் புறத்திணை இலக்கணங்கள்.

**அலகு - IV**

**10 மணிநேரம்**

**சங்க இலக்கியம் - ஐங்குறுநூறு** : மருதம் - தோழிகூற்று - வேட்கைப்பத்து: வாழிஆதன் வாழிஅவினி - 6

**சங்க இலக்கியம் - புறநானூறு** : திணை பொதுவியல்- ஞாயிற்று அன்ன ஆய்மணி (362)

**சிறுநிலக்கியங்கள்** - தோற்றமும் வளர்ச்சியும்

**சிறுநிலக்கியம் - நீதிநெறிவிளக்கம்** : 1. உறுதி - உறுதிபயப்ப(254), 2.முயற்சி - முயலாதுவைத்து (255), 3. உலையா முயற்சி (256), 4. காலம் - காலம்அறிந்தாங்கு (257),

5. மெய்வருத்தம் - மெய்வருத்தம் பாரார் (258)

**சிறுநிலக்கியம் - கலிங்கத்துப்பரணி** : தேவாசுரம், உடலின்மேல், நெடுங்குதிரை மிசைக்கலணை, விருந்தினரும் வறியவரும், தரைமகள்தன் கொழுநன்றன், பொருதடக்கை வாளெங்கே, வெயில்தாரை.

**காப்பியங்கள் - கம்பராமாயணம்** : **சுந்தரகாண்டம்** - திருவடி தொழுத படலம்( தேர்ந்தெடுத்த பாடல்கள் மட்டும்)

நீங்குவென் (6007) - மைந்நாகம் (6008) -போய்வரும்(6009) -- அழுதனர்(6010) --- தேனொடு (6011) - தாள்களில் (6012) -- வாலி(6013) --என்றலும்(6014) --ஆண்தகை(6015)- -பொருதமை(6016) -- யாவதும்(6017) -- ஏதனாள்(6018) --முத்தலை(6019) -- கார்வரை(6020)--தண்டல்(6021) - ஆரியன்(6022) - குறித்தநாள்(6023) --- மாண்டனள்(6024) - கண்டனர்(6025) -- கூறின நாள்(6026) --என்புழி(6027) --- எய்தினன்(6028) - திண்திறள்(6029) -- ஆங்கு(6030)-- கண்டனென்(6031) - உன்பெருந்தேவி(6032) - பொன் -(6033) - உன்குலம்(6034)-- விற்பெருந்(6035) -- கண்ணினும்(6036) -- வேலையுள்(6037) --மண்ணொடும்(6038)-- தீண்டிலன்(6039) -- சோகத்தாள்(6040) -- இலங்கையை(6041) -- அரக்கியர்(6042)-- தையலை(6043) -- ஆயிடை(6044) -- அன்னதோர்(6045) -- வஞ்சனை(6046) -- அறிவுறத்(6047) -- ஒருகணத்து(6048) -- வாங்கிய(6049) -- அன்னவருக்கு(6050) -- இங்கு உள(6051) -- வைத்தபின்(6052) -- பையபையப்(6053) --பொடித்தனர்(6054) --ஆண்டையின்(6055) --

## கடிதப்பயிற்சி

1. வேலைவேண்டி விண்ணப்பம் எழுதுதல்
2. பல்கலைக்கழகப் பன்னாட்டுக் கருத்தரங்கச் செய்தியை நாளிதழில் வெளியிடவேண்டி நாளிதழின் பதிப்பாசிரியருக்குக் கடிதம்
3. கருத்தரங்கப் பங்கேற்புக்கான அனுமதிக் கடிதம்
4. பல்கலைக்கழக விழாவுக்குத் தலைமையேற்க வேண்டி, மாவட்ட ஆட்சியருக்கு விண்ணப்பம்

அலகு- V :

8 மணிநேரம்

**காப்பியங்கள் :** தோற்றமும் வளர்ச்சியும்

**சங்க இலக்கியம் - பத்துப்பாட்டு:** பெரும்பாணாற்றுப்படை (தேர்ந்தெடுக்கப்பட்ட பாடல்கள் மட்டும்) கோவலர் குடியிருப்பு147-168, வலைஞர் குடியிருப்பு 263-277, அந்தணர் குடியிருப்பு 297-310

**சிறிலக்கியம் - வேதநாயகம்பிள்ளை நீதிநூல் -** (அதிகாரம் - 7 தாய்தந்தையரைப் போற்றுதல் - தேர்ந்தெடுக்கப்பட்ட 5 பாடல்கள்) சின்னவோர்பொருள், கடவுளைவருந்தி, எப்புவினும், வைத்தவர், ஈன்றவர்

**சிறிலக்கியம் - அருள்தரும் பூங்கோதையன்னை பிள்ளைத் தமிழ்:**

1. காப்புப்பருவம் - கோத்தமிழ் குமரகுரு, 2. சப்பாணிப்பருவம் - பட்டிமுனிகோமுனி,
3. ஊசல்பருவம் - நாவரசர் நற்றமிழால் (முதுமுனைவர் ந.இரா.சென்னியப்பனார்)

## கடிதப்பயிற்சி

5. கல்விக் கடன் வேண்டி வங்கிமேலாளருக்கு விண்ணப்பம்
6. வசிப்பிடத்திற்கு அடிப்படை வசதிவேண்டி வட்டாட்சியருக்கு விண்ணப்பம்
7. விருது பெற்ற நண்பனுக்குப் பாராட்டுக் கடிதம்
8. புத்தகங்கள் அனுப்பி உதவவேண்டி, பதிப்பகத்தாருக்கு விண்ணப்பம்

TOTAL HOURS: 48

## பார்வை நூல்கள்

1. கற்பகச் சோலை - தமிழ்ப்பாட நூல், இலக்கிய நெறிகள், தமிழ்த்துறை வெளியீடு, கற்பகம் உயர்கல்விக்கழகம், கோயம்புத்தூர் - 21.
2. தமிழ் இலக்கிய வரலாறு, முனைவர் கா.கோ. வேங்கடராமன், கலையக வெளியீடு, நாமக்கல்.

## இணையதளம்

1. [www.tvu.org.in](http://www.tvu.org.in)
2. [www.maduraitamilproject.com](http://www.maduraitamilproject.com)

## இதழ்கள்

1. International Research Journal of Indian Literature, irjil.in
2. International Tamil Research Journal, iorpress.in

### CO, PO, PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	2	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	3	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	2.8	2.4	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

**Instruction Hours/week: L:4 T:0 P:0****Marks: Internal:40 External:60 Total:100****End Semester Exam: 3 Hours****PREREQUISITE:**

- Not Required

**COURSE OBJECTIVES(CO):**

The goal of this course is for students to:

- Understand the text styles and grammatical elements
- Discuss the content of a reading passage
- Develop an interest in the appreciation of short stories

**COURSE OUTCOMES(COS) :**

- Develop an interest in the appreciation of literature.
- Discuss and respond to content of a reading passage.
- Learning the literacy knowledge of Hindi specially reading and writing .
- Learning the literary knowledge specially reading and understanding of Hindi short Stories
- Learning the history of Hindi literature.

**UNIT -I** a) Prose - Bharathiya Sangrah **9 HOURS**

b) Non-Detailed - Naya Mehman

c) Nibandh - Anushasan

d) Grammar - Bhasha Aur Vyakaran

**UNIT -II** a) Prose - PahthaPani Nirmal **9 HOURS**

b) Non-Detailed - Eakankki ki Visheshatha

c) Nibandh - Onam

d) Grammar – Varna Vichar , Sangya

**UNIT -III** a) Prose – RashtriyaPithaMahathma **10 HOURS**

b) Non-Detailed – Maha Bharat ki Eak Sanjh

c) Nibandh – Eakatha Ka Mahathva

d) Grammar – Sarvanam , Gender

**UNIT-IV** a) Prose – Gapshap **10 HOURS**

b) Non-Detailed – Yahang Sona Mana Hai

c) Nibandh – Ganga Pradhushan Ki Samasya

d) Grammar – Number , Karak , Visheshan

**UNIT-V** a) Prose – Nindha Ras

**10 HOURS**

b) Non – Detailed Eakanki ki Katha Vasthu

c) Nibandh – Paropkar

d) Grammar - Kriya , Kriya Visheshan

**TOTAL 48 HOURS**

### **TEXT BOOKS:**

**I.** Prose :Nuthan Gathya Sangrah (lesson-1,5,6,8,9), Editor : Jayaprakash, Publisher : Sumithra Prakasan, 16|5.Hasting Road, Illahabad.211001.

**II.** Non-detailed: Naveen Ekhaniki Sangrah, Editor : Dr. Srimathi Malathi Tiwari, Publisher: Sumithra Prakashan, 204.Leela Apartment, Ashok Nagar, Illahabad-211001.

### **REFERENCE BOOKS:**

**I.** Nibandh: Subod Hindi Nibandh, Editor : Dr. Braj Kishor Prasad Sing, Publisher: Manoj Publication, 1583-84 Dariba Kala, Chandni Chouk, Delhi – 110006.

**II.**Grammar: Sugam Hindi Vyakaran, Writer: Pro. Vamshidhar& Dharmapal, Publication: Shiksha Bharathi, Kashmir Gat, Delhi - 110006

### **CO, PO, PSO Mapping**

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO14	PO14	PO15	PSO2	PSO1
CO1	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	2	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	3	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Average</b>	<b>2.8</b>	<b>2.4</b>	<b>2.4</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**1 - Low, 2 - Medium, 3 - High, '-' - No Correlation**



Instruction Hours/week: L:4 T:0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

- Not required

**COURSE OBJECTIVES(CO):**

The goal of this course is for students to:

- Improves grammatical knowledge
- Will continue to read and learn about articles and think about them
- It is possible to read and understand short stories and understand the thoughts and life of the people of this state.

**COURSE OUTCOMES(COS):**

- Understand the text styles and grammatical elements
- Discuss the content of a reading passage
- Develop an interest in the appreciation of short stories
- Comprehend the grammatical structures and sentence making
- Understand the language and developing English to Malayalam translation skill

<b>PART I MALAYALAM PAPER I</b>		
<b>UnitNo.</b>		<b>HOURS</b>
<b>I</b>	Novel–Pathummayude Aadu-Vaikam Muhammed Basheer	<b>10</b>
<b>II</b>	Novel—Pathummayude Aadu-Vaikam Muhammed Basheer	<b>10</b>
<b>III</b>	Short Story-Ente Priyappeta Kadhakal–Akbar Kakkattil)	<b>09</b>
<b>IV</b>	Short Story-Ente Priyappeta Kadhakal–Akbar Kakkattil)	<b>10</b>
<b>V</b>	Composition & Translation(English to Malayalam)	<b>09</b>
	<b>TOTAL HOURS</b>	<b>48</b>

**TEXT BOOKS:**

1. Novel-Pathummayude Aadu-Vaikam Muhammed Basheer (D.C.Books,Kottayam,Kerala)
2. Short Story - Ente Priyappeta Kadhakal – Akbar Kakkattil) (D.C.Books,Kottayam,Kerala)
3. Expansion of ideas,General Eassay and Translation.(A simple passage)

**REFERENCE BOOKS:**

- 1.Malayala Novel Sahithya Charitram-K.M.Tharakan(N.B.S.Kottayam)
- 2.Chelukatha Innale Innu-M.Achuyuthan (D.C Books, Kottayam)

3.Sahithya Charitram Prasthanangalilude-Dr.K.MGeorge, (D.C.BooksKottayam)

4.Malayala Sahithyavimarsam-SukumarAzheekode(D.C.books)

### CO, PO, PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO14	PO14	PO15	PSO2	PSO1
CO1	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-
CO3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
<b>Average</b>	-	3	3	-	-	-	3	-	-	-	-	2	-	-	-	-	-

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

**PREREQUISITE:**

- Not required

**COURSE OBJECTIVES (CO):**

The goal of this course is for students to:

- The fundamental objective of the curriculum is to impart effective science education at the undergraduate level, exposing them to recent trends and developments in the subject.
- Creating scientific temper is another major objective of this curriculum.
- Another major thrust given here is to develop an environmental concern in all activities of the students. 'Go green', the motto of the syllabus emphasizes the urgent need to conserve nature without destruction of natural resources.

**COURSE OUTCOMES(COS) :**

- **Critical Thinking** :Take informed actions after identifying the assumptions that frame students' thinking and actions.
- **Problem Solving**: Understand and solve problems of relevance to society to meet the specified needs using the knowledge, skills and attitudes acquired.
- **Effective Communication**: Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas,books,media and technology.
- **Effective Citizenship**: Demonstrate empathetic social concern and equity centered national development.
- **Environment and Sustainability**: Understand the issues of environmental contexts and sustainable development.

**UNIT I****9 HOURS**

Introduction to Poetry,Definition of Poetry

**UNIT II****9 HOURS**

Five Maha Kavyas

**UNIT III****10 HOURS**

Text Prescribed: Raghuvamsa (Canto–1 First Ten Slokas

**UNIT IV****10 HOURS**

Text Prescribed: Raghuvamsa (Canto –1)Slokas Eleven to Thirty

**UNIT V****10 HOURS**

Text Prescribed :Raghuvamsa(Canto–1) SlokasThirty One to Fifty

Grammar:Text prescribed: Sanskrit Self Teacher  
 By Dr.V.Varadhachari  
 (Present tense and Declension of,,a'endingnouns (Masculine)

**TOTAL 48 HOURS****TEXT BOOKS:**

1.Raghuvamasa (Canto – 1)R.S.Vadhyar and SonsPalghat,Kerala

2.Sanskrit Self TeacherBy Dr.V.VaradhachariT.S.Sriraman32,TankBundRoad, Near Loyola College,  
Nungambakkam Chennai600034.**CO, PO, PSO Mapping**

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	2	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	2	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	3	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Average</b>	<b>2.6</b>	<b>2.6</b>	<b>2.8</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**1 - Low, 2 - Medium, 3 - High, '-' - No Correlation**

**PREREQUISITE:**

- Not Required

**COURSE OBJECTIVES (CO) :**

- Enable the learner to communicate effectively and appropriately in French.
- Develop and integrate the use of the four language skills: listening, speaking, reading, and writing.
- Train students to acquire proficiency in French through reading different genres of literature and learning grammar.

**COURSE OUTCOMES (COS) :**

Upon completion of this course, the students will be able to:

Cos	Course Outcomes	BloomsLevel
CO1	Retrieve fundamentals of French language to construct error free sentences.	Apply
CO2	Construct and maintain social relationships.	Analyze
CO3	Construct business letters, proposals and E-Mail communication	Apply
CO4	Adopt the skills of planning, structuring, and delivery techniques in group discussions and presentations.	Understand
CO5	Classify communication skills in business environment	Understand

**Unité – I****9 HOURS**

- a) Leçon – Bienvenue  
 b) Communication –Un cours de francais,Entreren contact saluer,  
 c) Verbes - êtreouavoir  
 d) Lexique –Les couleurs, l' alphabet  
 e) Culture – La France

**Unité - II****9 HOURS**

- a) Leçon -Bonjourçava ?  
 b) Communication -Demander et dire,Commentçava  
 c) Verbes – Les verbesréguliersen –er.  
 d) Lexique - Les Pays et les nationalités , Les animaux domestiques, Les jours de la semaine.  
 e) Culture – La France et la Francophonie

**Unité - III****10 HOURS**

- a) Leçon - Salut ! Je m'appelle Agnès  
 b) Communication - Se présenter et présenterquelqu'un Demander et dire la date

- c) Grammaire - Les pronoms personnels sujets ,Les verbesêtre et avoir ,  
Les articles définis et indéfinis
- d) Verbes - Les verbesaller et venir
- e) Lexique - Les mois de l'année, Les nombres de 0 à 69 » La famille (1)
- f) Culture - La France physique et politique

#### Unité IV

**10 HOURS**

- a) Leçon - Qui est-ce ? Dans mon sac, j ' ai
- b) Communication - Demander et répondrepoliment ,Demander des informations Personnelles
- c) Grammaire - La formation du feminine, La formation du pluriel ,  
Le adjectifspossessifs
- d)Verbes -Les verbesir et re
- e)Lexique -Les professions ,Quel ques objets ,La fiche d'identité
- f)Culture -Les symbols de la France,

#### Unité V

**10 HOURS**

- a) Leçon - Il est comment ? Allô ?
- b)Communication -Décrirel'aspect physique et le caractère Parler au téléphone
- c)Grammaire - La formation du féminin , La phrase interrogative  
Qu'est-ce que... ? La phrase négative
- d)Verbes - Le verbe Faire
- e) Lexique -L'aspect physique , Le caractère, Les prépositions de lieu ,  
Les nombres à partir de 70
- f) Culture - Les frontières de la france,lesvillesconnuesenfrance.

**TOTAL: 48 HOURS**

#### TEXT BOOKS:

1. Cocton Marie –Noëlle , Duplex Dorothée, Heu Elodie , Kasazian Emilie, Ripaud Delphine, **Saison 1- Méthode de francais**, Didier, paris.2015.
2. Cocton Marie – Noëlle, Dupleix, Heu Elodie, Kasazian Emilie ,Ripaud **Deldphin, Saison 1 –Cahier d'activites** , Dider ,Paris , 2015

#### REFERENCE BOOKS:

- 1 Anne Akyüz, Bernadette Bazelle- Shahmael, Joëlle Bonenfant, Marie- Françoise Gliemenn, **Les exercices de grammaire**, Hachette FLE, Paris,2005
- 2 Christian Beaulieu, Je **pratique, Exercices de grammaire A1**, Dider,Paris,2015
- 3 Nathalie BIE, philippe SANTINAN, **Grammaire pour adolescents-250 exercices**, CLE International , Paris , 2005

#### WEBSITES :

1. <http://enseigner.tv5monde.com/>
2. [bonjourdumonde.com /exercices/contenu/le – francais-du- tourisme.html](http://bonjourdumonde.com/exercices/contenu/le-francais-du-tourisme.html)
3. <http://www.bonjurdefrance.com/>
4. <https://www.lepointdufle.net/>

**CO, PO, PSO Mapping**

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-
CO3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
<b>Average</b>	-	<b>3</b>	<b>3</b>	-	-	-	<b>3</b>	-	-	-	-	<b>2</b>	-	-	-	-	-

**1 - Low, 2 - Medium, 3 - High, '-' - No Correlation**

Instruction Hours/week: L:3 T:0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

- Basic proficiency in English language

**COURSE OBJECTIVES (CO):**

- Enable the learner to communicate effectively and appropriately in real-life situations.
- Develop and integrate the use of the four language skills (listening, speaking, reading, and writing).
- Provide basic knowledge of grammar.

**COURSE OUTCOMES (COS):**

Upon completion of this course, the students will be able to:

Cos	Course Outcomes	BT Level
CO1	Construct error free sentences in English	Apply
CO2	Build partnerships to attain goals	Apply
CO3	Construct and maintain social relationships.	Apply
CO4	Improve communication skills in business environment.	Create
CO5	Build their communication competency through LSRW skills.	Create

**UNIT I****8 HOURS****LISTENING:** Listening–Types of Listening**SPEAKING:** Face to Face Conversation**READING:** Reading – Types of Reading**WRITING:** Jumbled Sentences**LITERATURE:** Odeon a Grecian Urn by John Keats**GRAMMAR:** Parts of Speech**UNIT II****7 HOURS****LISTENING:** Principles of Listening Skills**SPEAKING:** Descriptions**READING:** Reading Techniques**WRITING:** Paragraph Writing**LITERATURE:** Of Friendship by Francis Bacon**GRAMMAR:** Article



**UNIT III****7 HOURS**

- LISTENING:** Barriers of Listening  
**SPEAKING:** Telephone Conversations  
**READING:** Reading Comprehension Passages  
**WRITING:** Precise Writing  
**LITERATURE:** The Umbrella man by Roald Dahl  
**GRAMMAR:** Tense

**UNIT IV****7 HOURS**

- LISTENING:** Story Narrations  
**SPEAKING:** Group Discussion  
**READING:** Reading Reports and Profiles  
**WRITING:** Letter Writing  
**LITERATURE:** Tyger by William Blake  
**GRAMMAR:** Subject and Predicate – Question Tag

**UNIT V****7 HOURS**

- LISTENING:** Listening Strategies  
**SPEAKING:** Interview Skills  
**READING:** Tips for MOC Anchoring  
**WRITING:** Circular Writing and Summary Writing  
**LITERATURE:** Short story: *Rapunzel* by the Brothers Grimm  
**GRAMMAR:** Framing Questions

**TOTAL 36 HOURS****TEXTBOOKS:**

1. Wren & Martin, 2008, *High School English Grammar & Composition*, S. Chand & Company Ltd, Board of Editors.
2. Krashen, Stephen D. (1982) *Principles and Practice in Second Language Acquisition*. New York: Pergamon Press

**CO, PO, PSO Mapping**

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	1	3	2	-	-	-	-	-	-	-	-	-	-	-	-	2	1
CO2	-	3	2	-	-	-	3	-	-	-	-	-	-	-	-	2	1
CO3	-	3	2	-	-	-	3	-	-	-	-	-	-	-	-	2	1
CO4	-	3	3	3	-	-	-	-	-	-	-	-	-	-	-	2	1
CO5	-	3	2	2	3	-	-	-	-	-	-	-	-	-	-	2	1
Average		3	2	2.5	3	-	3		-	-	-	-	-	-	-	2	1

1 Low, 2 Medium, 3 High, '-' No Correlation

Instruction Hours/week: L:7 T:1 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

- Business Basics, Mathematics (Algebra and Arithmetic), Statistics Knowledge, IT Proficiency, Programming Skills, Effective Communication, Legal and Regulatory Awareness

**COURSE OBJECTIVES (CO):**

- Apply accounting for journalizing, ledgers, trial balances, final accounts, and depreciation.
- Analyze hire purchase, installment transactions, defaults, consignment, joint ventures, and stock valuation.
- Create consolidated accounts and evaluate branch accounting.

**COURSE OUTCOMES (COS):**

Upon completion of this course, the students will be able to:

Cos	Course Outcomes	BloomsLevel
CO1	Understanding of basic accounting principles and practices for journalizing, ledger maintenance, and trial balance preparation.	Understand
CO2	Proficiency in preparing final accounts and calculating depreciation's impact on financial statements.	Apply
CO3	Ability to account for transactions in hire purchase and installment systems, including default scenarios.	Apply
CO4	Application of accounting principles for consignment and joint ventures, including stock valuation.	Apply
CO5	Ability in creating consolidated financial accounts and accounting for different branch kinds.	Apply

**UNIT I: FUNDAMENTALS OF ACCOUNTING: ACCOUNTING 19 HOURS**

Need – Objectives – Advantages – Limitations Users of Accounting–Functions Book Keeping Methods of Accounting

Accounting Concept Accounting Conventions Basis of Accounting Cash basis and Accrual basis Concept, Benefits – Accounting Process –Journal Ledger Subsidiary Books – Trial Balance Branches of Accounting – Overview of Accounting Standards (AS) – Concept of International Financial Reporting Standards (IFRS).

**UNIT II: FINAL ACCOUNTS AND DEPRECIATION 19 HOURS**

**Final Accounts** Trading Account Profit and Loss Account Balance Sheet Adjusting Entries. **Depreciation** – Meaning – Need Causes of Depreciation Accounting concept of Depreciation Factors affecting the Amount of Depreciation Methods of computing depreciation Straight line method and Diminishing balance method Disposal of Depreciable Assets Change of method.

**UNIT III: ACCOUNTING FOR HIRE PURCHASE AND INSTALLMENT SYSTEMS**  
**19 HOURS**

: Introduction Features of Hire Purchase – Concepts in Hire Purchase and Instalment System  
Accounting Procedure for Hire Purchase and Instalment System – Transactions Journal  
Entries and Ledger Accounts including Default and Repossession.

**UNIT IV: ACCOUNTING FOR CONSIGNMENT AND JOINT VENTURE: CONSIGNMENT**  
**19 HOURS**

Meaning **Features**– Account Sales – Valuation of Stock – Normal Loss – Abnormal Loss  
Accounting Treatment in the books of the Consignor and Consignee. **Joint Venture:**  
Meaning – Accounting procedures Separate set of books Memorandum Joint Venture  
account.

**UNIT V: ACCOUNTING FOR BRANCHES** **20 HOURS**

Meaning Types of Branches – Accounting of various types of dependent branches  
accounting aspects Debtors ‘system Stock and Debtors system  
Branch Final Accounts System and Wholesale Branch System. Independent Branches:  
Concept Accounting Treatment: Important Adjustment Entries and Preparation of  
Consolidated Profit and Loss Account and Balance Sheet.

**TOTAL 96 HOURS**

**Note:** Distribution of Marks 20% theory and 80% problems

**TEXT BOOKS:**

1. Shukla, M.C. Grewal T.S. Gupta. S.C. (2016), *Advanced Accounts. Vol. I.*, 19<sup>th</sup> Edition, S. Chand & Co., New Delhi.
2. Deepak Sehgal. (2016), *Financial Accounting*. 1<sup>st</sup> edition, Vikas Publishing House, New Delhi
3. Dr. P.C. Tulsian & C.A. Bharat Tulsian (2016) *Financial Accounting*, 2<sup>nd</sup> Edition, Sultan Chand Publishing, New Delhi

**REFERENCE BOOKS:**

1. S. N. Maheshwari, Suneel K Maheshwari (2018) *Financial Accounting*, 6<sup>th</sup> Edition, Vikas Publishing House, New Delhi
2. Dr. S N Maheshwari & Dr. Suneel K Maheshwari (2018), *Problems and Solutions in Advanced Accountancy*. 6<sup>th</sup> edition, Vikas Publishing House, New Delhi
3. S.P. Jain and K.L. Narang (2016) *Advanced Accountancy Principles of Accounting*, Kalyani Publishers, Ludhiana

**WEBSITE:**

1. [https://swayam.gov.in/nd1\\_noc20\\_mg71/preview](https://swayam.gov.in/nd1_noc20_mg71/preview)

### CO, PO, PSO Mapping

CO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PO 15	PSO 1	PSO 2
CO1	2	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1
CO2	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1
CO3	2	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1
CO4	2	1	-	-	--	-	-	-	-	-	-	-	-	-	-	-	1
CO5	3	2	1	-	-	-	1	-	-	-	-	-	-	-	-	-	1
<b>Average</b>	<b>2.4</b>	<b>1.4</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1</b>

1 Low, 2 Medium, 3 High, '-' No Correlation

**Instruction Hours/week: L:7 T:0 P:0****Marks: Internal:40 External:60 Total:100****End Semester Exam: 3 Hours****PREREQUISITE:**

- Basic understanding of business concepts and principles, including organizational structures, management functions, and decision-making processes.

**COURSE OBJECTIVES(CO):**

- Learn the foundation of Indian business and technological innovation.
- Understand various forms of business organization.
- Describe planning and decision-making concepts.

**COURSE OUTCOMES(COS):**

Upon completion of this course, the students will be able to:

<b>COs</b>	<b>Course Outcomes</b>	<b>BloomsLevel</b>
CO1	Understand the meaning, essentials, scope, classification, characteristics, objectives, and evolution of business, including modern business trends and the business profession relationship.	Understand
CO2	Understand the various forms of business organization and their implications in various business sectors.	Understand
CO3	Demonstrate proficiency in management concepts, objectives, significance, and the evolution of management thought, along with effective management planning and decision making skills.	Apply
CO4	Design efficient organizational structures and processes, including departmentation, delegation, centralization/decentralization, and span of control.	Apply
CO5	Apply directing and controlling principles, including leadership coordination, supervision, motivation, communication, and control techniques, and understand their relationship with planning.	Apply

**UNIT I: BUSINESS****16 HOURS**

Meaning and Definition of Business - Essentials - Scope of Business - Classification of Business Activities –Business Organization - Meaning – Definition Characteristics - Objectives of Business Organization - Evolution of Business Organization - Modern Business - Business & Profession.

**UNIT II: BUSINESS ORGANISATION****17 HOURS**

Forms of Business Organization - Sole Proprietorship – Joint Hindu Family – Partnership - Joint Stock Companies - Co operatives - Limited Liability Partnership - Choice of Form of Organization - Government - Forms of Public Enterprises - International Business - Multinational Corporations.

**UNIT III: MANAGEMENT****17 HOURS**

Introduction - Concepts – Objectives - Nature Scope and significance of management - Evolution of Management Thought - Contribution Taylor, Weber and Fayol Management Planning: Concept – Objectives – Nature – Limitation Process of Planning - Importance – Forms - Techniques and Process of Decision Making.

**UNIT IV: ORGANIZING****17 HOURS**

Concept – Objectives - Nature of Organizing - Types of Organization– Organisation Process – Departmentation - Delegation of Authority - Authority and Responsibilities - Centralization and Decentralization - Span of Control.

**UNIT V: DIRECTING AND CONTROLLING****17 HOURS**

Concept, Principles and Techniques of Directing Coordination - Concept of leadership – Meaning – Importance – Styles – Supervision Motivation - Communication - Controlling: Concept – Principles - Process and Techniques of Controlling - Relationship between Planning and Controlling.

**TOTAL 84 HOURS****TEXT BOOKS:**

1. Kaul, V.K., (2013), *Business Organization and Management*, Pearson Education, New Delhi.
2. Chhabra, T.N., (2017), *Business Organization and Management*, Sun India Publications, New Delhi.
3. Gupta CB, (2014), *Modern Business Organization*, Mayur Paperbacks, New Delhi.
4. Koontz & Weihrich, (2010), *Essentials of Management*, McGraw Hill Education, Bengaluru.

**REFERENCE BOOKS**

1. C.B. Gupta (2017), *Business Organization and Management*, Sultan Chand and Sons, New Delhi
2. C R Basu (2017), *Business Organization and Management*, Mc Graw Hill Education, Bengaluru
3. Bhushan, Y.K. (2014), *Business Organization and Management*, 18th Edition, Sultan Chand and Sons. New Delhi.

**CO, PO, PSO Mapping**

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-	-	-	-	2	-	-	-	-	-	-	-	--	-	2	1
CO2	3	-	-	-	-	-	-	-	-	-	2	-	-	-	3	2	1
CO3	3	-	3	2	-	-	2	-	-	-	2	-	-	2	-	2	1
CO4	3	-	-	2	-	-	2	-	-	-	-	-	-	3	-	2	1
CO5	3	-	-	-	-	1	-	-	-	-	-	-	1	-	2	2	1
<b>Average</b>	<b>3</b>	<b>-</b>	<b>3</b>	<b>2</b>	<b>-</b>	<b>1.5</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2</b>	<b>-</b>	<b>1</b>	<b>2.5</b>	<b>-</b>	<b>2</b>	<b>1</b>

1 Low, 2 Medium, 3 High, ‘-’ No Correlation

**PREREQUISITE:**

- Basic computer literacy, including familiarity with operating systems and general software applications. An introductory understanding of Microsoft Office tools is beneficial.

**COURSE OBJECTIVES(CO):**

1. To Prepare documents and reports for the organization.
2. To Prepare datasheet and apply the built-in functions for analyzing the data to support decision making
3. To Utilize visual aids and tools to present the data

**COURSE OUTCOMES(COS):**

Upon completion of this course, the students will be able to:

Cos	Course Outcomes	Blooms Level
CO1	Prepared documents and reports for the organization.	Apply
CO2	Prepared a datasheet and applied the built-in functions for analyzing the data to support decision-making.	Analyze
CO3	Utilized visual aids and tools to present the data.	Apply
CO4	Designed presentations for the business meetings.	Apply
CO5	Stored, retrieved data, and made decisions based on the information and employed computer tools in real-life business situations.	Apply

**MS WORD**

1. Type Chairman's Speech / Auditors report/ Minutes/ agenda and perform the following operations Bold, Underline, Font Size, Font Style, Background Color, text Color, Line Spacing, Spell Check, Alignment, Header and Footer, inserting page numbers, Find and replace.

**5 HOURS**

2. Prepare an invitation for the College Function using Text boxes and Clip Arts

**5 HOURS**

3. Prepare a class time table and perform the following operations - Insert table, data entry, alignment of rows and columns, inserting and deleting and change of table format.

**5 HOURS**

4. Prepare a shareholders' meeting letter (notice) for 10 members using mail merge operation.

**5 HOURS****MS EXCEL**

5. Prepare a mark list of your class (minimum 5 subjects) and perform the following operations Data entry, total, average, result and ranking by using arithmetical, logical functions and sorting

**5 HOURS**

6. Prepare final accounts (Trading Profit and Loss account and Balance Sheet) by using

Mathematical formula **5 HOURS**

7. Draw different types of charts (Line, Pie, Bar) to illustrate year wise performance of sales, purchase, profit of a company by using chart wizard. **5 HOURS**

### **MS POWERPOINT**

8. Design Presentation slides for a product of your choice. The slides must include name, brand name, type of product, characteristics, price, special offer etc. and Add voice if possible to explain the features of the product. The presentation should work in manual mode **5 HOURS**

9. Design presentation slides for organisation details for five levels of hierarchy of a company using organisation chart **5 HOURS**

10. Design slides for the headline news of a popular TV channel. The presentation should contain the following transactions – Top down, bottom up, Zoom in and Zoom out – The presentation should work in custom mode **5 HOURS**

11. Design presentation slides about an organisation and perform frame movement by inserting clip arts to illustrate running of an image automatically **5 HOURS**

12. Design presentation slides for the seminar, lecture presentation using animation effect and perform the following operations: Creations of different slides, changing background color, font color, using word art. **5 HOURS**

### **MS ACCESS**

13. Prepare a payroll for employee database of an organisation with the following details Employee id, employee name, date of birth, department, designation, date of appointment, basic pay, dearness allowance, House Rent allowance and other deductions if any. Perform queries for different categories. **6 HOURS**

14. Create mailing labels for student database which should include atleast three table, must have atleast 2 fields with the following details :Roll no, name, course, year, college name, university, address, phone number **6 HOURS**

**TOTAL 72 HOURS**

### **TEXT BOOKS:**

1. Wayne L. Winston, (2017), *Microsoft Excel 2016 - Data Analysis and Business Modeling*, Prentice Hall India Learning Private Limited, New Delhi
2. Faithe Wempen (2016), *Microsoft Office 2016 at Work for Dummies*, Wiley India, New Delhi
3. [Dinesh Maidasani](#) (2015), *Learning Computer Fundamentals, MS Office and Internet & Web Technology*, 3rd Edition, Laxmi Publications, New Delhi.
4. John Walkenbach (2015), *Microsoft Excel 2016 Bible: The Comprehensive Tutorial Resource*, Wiley India, New Delhi



### CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-	-	-	-	-	2	-	-	-	1	-	-	-	-	-	1
CO2	3	-	3	3			1	-	-	-	1	-	-	-	-	-	1
CO3	3	-	-	-	-	2		-	-	3	2	-	-	-	-	-	1
CO4	3	-	-	2	2	-	-	-	-	-	3	-	-	-	-	-	1
CO5	3	-	3	3	2	1	-		1	-	3	-	-	2	3	-	-
<b>Average</b>	<b>3</b>	<b>-</b>	<b>3</b>	<b>2.67</b>	<b>2</b>	<b>1.5</b>	<b>1.5</b>	<b>-</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>2</b>	<b>3</b>	<b>-</b>	<b>1</b>

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:2 T:0 P:0

Marks: Internal:100 External: - Total:100

End Semester Exam: - Hours

**PREREQUISITE:**

- Basic understanding of health, wellness, and the principles of self improvement. Familiarity with foundational concepts of yoga and personal development is beneficial.

**COURSE OBJECTIVES(CO):**

- Create awareness about Yoga and Physical Health.
- Provide Value Education to improve the students' character and understanding of the greatness of Life force and Mind.
- Know about the five aspects of life and to develop good qualities while eliminating bad ones

**COURSE OUTCOMES (CSO):**

Upon completion of this course, the students will be able to:

Cos	Course Outcomes	BloomsLevel
CO1	Understand the concepts of Yoga and Physical Health.	Understand
CO2	Study the concepts of the greatness of Life force and Mind.	Understand
CO3	Learn the aspects of Personality Development.	Understand
CO4	Practice Human Resource Development.	Apply
CO5	Understand yoga, life, and the Law of Nature.	Apply

**UNIT I: YOGA AND PHYSICAL HEALTH****5 HOURS**

**Manavalakalai (SKY) Yoga:** Introduction Education as a means for youth empowerment Greatness of Education Yoga for youth Empowerment. Simplified Physical Exercises Hand, Leg, Breathing, Eye exercises Kapalabathi, Makarasana Part I, Makarasana Part II, Body Massage, Acupressure, Relaxation exercises Benefits Yogasanas 1: Pranamasana Hastha Uttanasana Pada Hasthasana AswaSanjalana Asana ThuvipathaasvaSarjalana asana AstangaNamaskara Bhujangasana Atha Muktha Savasana AswaSanjalanaAsara Pada Hasthasana Hastha UttanasanaPranamasana Pranayama: Naddisudei Clearance Practice Benefits Simplified Physical Exercise Kayakalpa Practices Meditation Practices.

**Philosophy of life:** Purpose of life Philosophy of life (Needs Protections Virtues Development of knowledge) Five Types of duties Protection of the natural resources.

**UNIT II: GREATNESS OF LIFE FORCE AND MIND****5 HOURS**

Reasons for Diseases Natural reasons (Genetic/imprints, Planetary Position, Natural calamities and climatic changes) Unnatural reasons (Food habits, Thoughts, Deeds)

Philosophy of Kaya Kalpa: Physical body Sexual vital fluid Life force Bio Magnetism Mind Maintaining youthfulness: Postponing old age seven components Importance of sexual vital fluid Transformation of food into Measure and method in five aspects of life Controlling undue Passion.

Kayakalpa practice: Aswini Mucra Ojas breath Benefits of Kaya Kapa.

### **UNIT III: PERSONALITY DEVELOPMENT SUBLIMATION**

**5 HOURS**

Mental Frequencies: Beta, Alpha, Theta and Delta wave Agna Meditation explanation benefits. Shanti meditation: Shanthi Meditation explanation benefits Thuriya Meditation: Thuriya Meditation explanation benefits Benefits of Blessing Self blessing (Auto suggestion) Family blessing Blessing the others World blessing Divine protection

Human Values: Set cortio Sell confidence Honesty Contentment Humility Modesty To erance Adjustment Sacrifice Forgiveness Puntty (Bocy, Dress, Enviornment) Physica purity Mental purity Spiritualpurity. Social Values: Nonviolence Service Patriotism Equality Respect for parents and elders care and protection Respect for teacher Punctuality Time Management

### **UNIT IV: HUMAN RESOURCE DEVELOPMENT**

**5 HOURS**

Morality (virtues): Importance of Introspection: 1 Mine (Ego, Possessiveness) Six Evi Temperaments Greed Anger Miserliness Immoral sexual passion Inferiontyand superiority Complex Vengeance Maneuvering of Six Temperaments: Contentment Tolerance Charity Chastity Equality Pardon (Forgiveness) Five essential Qualities acquired through Meditation: Perspicacity Magnanimity Receptivity Adaptability Creativity (Improved Memory Power)

### **UNIT V: LAW OF NATURE**

**4 HOURS**

Ten stages of the Mind Five kosas of the mind Maintaining good Relationships Thought Importance of thoughts Reasons for Thoughts Practice of Analysis of Thoughts Definition of Desire Root causes for desires Types of desires Desires Essential for success Practice for Moralization of Desires Thought Reformation Frugality. Anger Reasons for Anger Anger and Peace Ill effects of anger Tolerance and Forgiveness Neutralization of Anger practice. Diversity in Men (Why Men Differ) Love and compassion, Eradication of Worries: Reasons for Worries Fout types of worries Il effects results Practice for Eradication of Worries

**TOTAL 24 HOURS**

**Yoga Practices:** Thandasana Chakrasana (sideways) Vruchasana Thirikonasana Varasan

### **TEXT BOOKS:**

#### **Yoga for Youth Empowerment, 2023 Reference Books:**

1. Kayakapam Thathuvagnani Vethathiri Maharishi

2. Light on yoga BKS. Iyenger
3. Manavalakala Part 1 Thathuvagnani Vethathiri Maharishi.
4. Manavalakala part 2 Thathuvagnani Vethathiri Maharishi
5. Mind Thathuvagnani Vethathiri Maharishi
6. Simplified Physical Exercises Thathuvagnani Vethathiri Maharishi
7. Sound Health through yoga Dr.Chandrasekaran
8. The world order of Holistic unity Thathuvagnani Vethathiri Maharishi
9. Thirukkural Rev. Dr.G.U.pope
10. Yoga for modern age Thathuvagnani Vethathiri Maharishi

### CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO 2
CO1	-	-	-	-	-	-	1	-	-	-	1	-	1	-	1	1	2
CO2	-	-	-	2	-	-	1	-	2	-	1	-	3	2	1	1	2
CO3	-	-	2	-	2	-	1	-	2	-	2	-	3	2	1	1	2
CO4	-	3	-	-	-	-	1	-	1	-	2	-	3	2	1	1	2
CO5	-	-	-	-	-	-	1	1	-	-	2	-	3	-	1	1	2
Avg	-	3	2	2	2	-	1	1	2.5	-	1.6	-	2.6	2	1	1	2

**1 Low, 2 Medium, 3 High, '-' No Correlation**

**பாடத்திட்டப் பொதுநோக்கம்**

- கற்றல்வழிசிந்தனைத்திறனையும், கருத்துவெளிப்பாட்டுத்திறனையும், மேம்படுத்துதல்.
- ஆய்வநோக்கைமேம்படுத்துதல்.
- இலக்கியங்கள்உணர்த்தும்வாழ்வின்நுட்பமானபகுதிகளைஉணர்த்துதல்.
- மனிதமனத்தினைப்பக்குவப்படுத்துதலில்இலக்கியம்தரும்பங்கினைஉணர்த்துதல்.
- வளர்ந்துவரும்சமூகத்தில்அறஉணர்வு, பண்பாடுபோன்றவைகுறித்துஅறிவூட்டல். அரசுத்தேர்வுகளுக்குமாணவர்களைஆயத்தமாக்குதல்.

**பாடத்திட்டப்பயன்விளைவு**

- இந்தியக்குடியரிமைப்பணிமுதலானபோட்டித்தேர்வுகளில், விருப்பப்பாடமாகஇடம்பெறுகின்ற, 'தமிழ்இலக்கியவரலாறு' குறித்தமுழுமையானஅறிமுகம்பெற்றிருத்தல்.
- கல்வெட்டியல், ஓலைச்சுவடியியல்மற்றும்தொல்லியல்சார்ந்தஆவணத்தேடலுக்குரியஆய்வுமனப்பான்மையுடன், இலக்கியங்களைஅணுகுதல்.
- தமிழின்வளர்ச்சித்துறையாகிய, 'அறிவியல்தமிழ்', 'இணையதமிழ்' குறித்தபன்னோக்குஅணுகுமுறையிலானஆய்வுச்சிந்தனைமேம்பாடு.
- வேலைவாய்ப்புக்குரியசுயதிறன்மேம்பாட்டுடன், படைப்பாக்கத்திறன்மேம்பாடும்பெற்றிருத்தல்.
- சமுதாயமற்றும்வாழ்வியல்மதிப்புகளைப்பேணுவதற்குக்கருவியாகஇலக்கியங்களைநாடுகின்றமனப்பான்மைவளர்ச்சி. மொழிபெயப்புத்துறைசார்ந்தவேலைவாய்ப்புத்திறன்பெற்றிருத்தல்

**இலக்கியஇன்பம்****அலகு - I****8 மணிநேரம்**

இலக்கியவரலாறு:நாயன்மார்கள்அறிமுகம்  
தமிழ்இலக்கியவரிசையில்பன்னிருதிருமுறைகள்  
பன்னிருதிருமுறைகள்அறிமுகம்  
திருமுறைஆசிரியர்களின்இலக்கியப்பங்களிப்பு  
திருமுறைகளில்பக்திநெறியும்சமுதாயநோக்கும

பக்திஇலக்கியம்:சைவம் : பெரியபுராணம் திருமூலநாயனார்புராணம்

கவிதை:மகாகவிபாரதியார் பகைவனுக்குஅருள்வாய்

கவிதை:கவிமணிதேசிகவிநாயகம்பிள்ளை கோயில்வழிபாடு

கவிதை:கரிகாலன் விடுதலை

சிறுகதை :அறிஞர்அண்ணா - செவ்வாழை

**கட்டுரை :** ஆளுமைத்திறன் அறிவோம் – தன்னம்பிக்கைமாத இதழ்  
**இலக்கணம்** வாக்கிய அமைப்பு : தனிவாக்கியம் தொடர்வாக்கியம்  
 கலவைவாக்கியம் தன்வினைவாக்கியம் பிறவினைவாக்கியம் செய்வினை,  
 செயப்பாட்டுவினைவாக்கியம், கட்டளைவாக்கியம் வினாவாக்கியம்  
 உணர்ச்சிவாக்கியம். நன்னூல் – பொதுவியல் அறுவகைவினா (385)  
 எண்வகைவிடை (386).

### அலகு – II :

### 8 மணிநேரம்

**இலக்கியவரலாறு:** ஆழ்வார்கள் அறிமுகம் இலக்கியப்பங்களிப்பு  
 திவ்யப்பிரபந்தத்தில் பக்தி நெறியும் இலக்கியநயமும்  
**பக்தி இலக்கியம்:** வைணவம் குலசேகர ஆழ்வார் – பெருமாள் திருமொழி  
 தேவகிபுலம்பல்  
**கவிதை:** வைரமுத்து ஏறும்புகளோடு ஒருவார்த்தை  
**கவிதை:** சிற்பிபாலசுப்பிரமணியன் மலையாளக்காற்று  
**கவிதை:** தாமரை தொலைந்துபோனேன்  
**சிறுகதை :** சுஜாதா நகரம்  
**கட்டுரை :** முனைவர் புரிசைநடராசன் திருக்குறளும் சமுதாயவியலும்  
**அணி இலக்கணம் :** உவமையணி பிறிது மொழிதல் அணி  
 சிலேடை அணி தீவக அணி ஏகதேச உருவக அணி – வேற்றுமையணி –  
 பின்வருநிலையணி விளக்கங்கள்.

### அலகு – III

### 8 மணிநேரம்

**இலக்கியவரலாறு:** புதுக்கவிதை : தோற்றமும் வளர்ச்சியும்  
**இலக்கியவரலாறு:** உரைநடை : தோற்றமும் வளர்ச்சியும்  
**கவிதை:** அப்துல் ரகுமான் பாருக்குள்ளே நல்லநாடு  
**சிறுகதை :** கு. அழகிரிசாமி – ராஜாவந்திருக்கிறார்  
**சிறுகதை :** நாஞ்சில்நாடன் இந்நாட்டுமன்னர்  
**கட்டுரை :** முனைவர் இரா. குணசீலன் உயர்தனிச்செம்மொழி  
**படைப்பிலக்கியப்பயிற்சிகள்** மரபுக்கவிதை, புதுக்கவிதை,  
**சிறுகதை, கட்டுரை** படைப்பாக்க உத்திகள் –  
**பயிற்சிகள்**

### அலகு – IV

### 8 மணிநேரம்

**இலக்கியவரலாறு** சிறுகதை தோற்றமும் வளர்ச்சியும்  
**கவிதை:** பாரதிதாசன் இளையார் ஆத்திச்சூடி  
**கவிதை:** கவிஞர் சுகந்தி சுப்பிரமணியம் புதையுண்ட வாழ்க்கை  
**சிறுகதை :** ஆர். சூடாமணி அந்நியர்கள்  
**கட்டுரை :** முனைவர் ப. தமிழரசி நொய்யல்  
**மொழிபெயர்ப்புப்பயிற்சிகள்** தமிழ் ஆங்கில மொழிபெயர்ப்புப்பயிற்சிகள்

### அலகு - V

### 8 மணிநேரம்

**இலக்கியவரலாறு:** நாட்டுப்புறவியல்: ஓர் அறிமுகம்

கவிதை:கவிஞர்அறிவுமதி நட்புக்காலம்  
கவிதை:க. அம்சப்ரியா நம்பிக்கைவை  
சிறுகதை :அம்பை வல்லூறுகள்  
மொழிபெயர்ப்புப்பயிற்சிகள் ஆங்கிலம்  
தமிழ்மொழிபெயர்ப்புப்பயிற்சிகள் 2.

**TOTAL 48 HOURS**

**பார்வைநூல்கள்**

1. கற்பகச்சோலை – தமிழ்ப்பாடநூல், இலக்கியநெறிகள், தமிழ்த்துறைவெளியீடு, கற்பகம்உயர்கல்விக்கழகம், கோயம்புத்தூர் – 21.
2. தமிழ்இலக்கியவரலாறு, முனைவர்கா.கோ. வேங்கடராமன், கலையகவெளியீடு,நாமக்கல்.

**இணையதளம்**

1. [www.tvu.org.in](http://www.tvu.org.in)
2. [www.maduraitamilproject.com](http://www.maduraitamilproject.com)

**இதழ்கள்**

1. International Research Journal of Indian Literature, irjil.in
2. International Tamil Research Journal, iorpress.in

**CO, PO, PSO Mapping**

Cos	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PO 15	PS O1	PS O2
CO1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2
CO2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2
CO3	-	-	2	-	-	2	-	-	-	-	3	-	-	-	-	1	2
CO4	-	3	-	2	2	-	-	-	2	-	2	-	-	2	2	1	2
CO5	-	2	-	-	-	-	-	-	3	-	-	-	1	-	3	1	2
Average	-	2.3	2	2	2	2	-	-	2.5	-	2.5	-	1	2	2	1	2

**3 Strong; 2 Medium; 1 Low**

**Instruction Hours/week: L:4 T:0 P:0****Marks: Internal:40 External:60 Total:100****End Semester Exam: 3 Hours****PREREQUISITE:**

- Not Required

**COURSE OBJECTIVES(CO):**

- Understand the text styles and grammatical elements
- Discuss the content of a reading passage
- Develop an interest in the appreciation of short stories

**COURSE OUTCOMES(COS) :**

- Basic knowledge of Hindi language will be improved.
- Knowledge of glossaries will increase.
- Hindi language expression will rise.
- Learners will enrich their grammar in Hindi.
- The desire to read literature, such as the essay on a poem, develops.

<b>UNIT-I</b>	a) Poetry – Nagarjun b) Drama -Dhruva Swamini c) Novel - Nirmala , Thotharam d) Grammar – Kaal , Theen Prakar	<b>9 HOURS</b>
<b>UNIT-II</b>	a) Poetry – Sita , Ram b) Drama – Mandhakini , Koma c) Novel – Mansaram , Jiyaram d) Grammar – Upsarg, Prathyay	<b>9 HOURS</b>
<b>UNIT-III</b>	a) Poetry – Lakshman, Valmiki b) Drama – Ramaguptha , Chandhraguptha c) Novel – Sudha, Bhuvan Mohan Singh d) Grammar – Sabda Vyutpathi	<b>10 HOURS</b>
<b>UNIT-IV</b>	a) Poetry -Vishvaamithra, Thrijada b) Drama –Sikhar Swami,Shakraj c) Novel – Udhaybanulaal, Siyaram d) Grammar – Sambandh Chochak	<b>10 HOURS</b>
<b>UNIT-V</b>	a) Poetry – Bhagirath , Sagar b) Drama – Khingal , Mihirdev , Prohith c) Novel – bhalchandra Sinha,Kalyani, Rangili Bai d) Samuchchaybodhak, Vishmayathibodhak	<b>10 HOURS</b>

**TOTAL 48 HOURS**



**REFERENCE BOOKS:**

1. Modern Poetry : Bhoomija, Writer : Nagarjun, Editors : Somdev & shobhakanth  
Publisher : Rdha Krishna Publication, New Delhi - 110051
2. Drama : Dhruva Swamini, Writer : Jaysankar Prasad, Publisher : Sakshi Publication S  
16, Naveen Shahdhara, Delhi – 110032
3. Novel : Nirmala, Writer : Premchandh, Publisher : Prabhath Prakashan, 4/19 Asaf Ali  
Road, New Delhi – 110002
4. Grammar : Sugam Hindi Vyakaran, Writer : Pro. Vamsidhar & Dharmapal, Publisher :  
Siksha Bharathi, Madharsa Road, New Delhi – 110006.

**CO, PO, PSO Mapping**

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	3	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	3	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Average</b>	<b>3</b>	<b>2.4</b>	<b>2.4</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**1 - Low, 2 - Medium, 3 - High, '-' - No Correlation**

Instruction Hours/week: L:4 T:0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

- Not required

**COURSE OBJECTIVES (COs):**

- A basic understanding of contemporary poetry can be gained and the nature of modern poetry can be realized.
- Realizing the nature of drama and its nature and improving the knowledge of reading and understanding the nature of contemporary plays.
- Understands the benefits of correspondence and can enhance the correspondence you need.

**COURSE OUTCOME(COs):**

- Get a basic understanding of Memories
- It will create basic knowledge about Environmental Psychology.
- It will create awareness about our environment.
- Knowledge is gain about our country, culture etc.
- It will be an eye opener to the students towards our Mother Earth.

<b>PARTI-MALAYALAM II</b>		
<b>UnitNo.</b>		<b>Hours</b>
<b>I</b>	Novel-Enmakaje	<b>10</b>
<b>II</b>	Novel-Enmakaje	<b>10</b>
<b>III</b>	Memories-Neermaathalam Poothakaalam	<b>10</b>
<b>IV</b>	Memories-Neermaathalam Poothakaalam	<b>9</b>
<b>V</b>	Translation(English to Malayalam)	<b>9</b>
<b>TOTAL</b>		<b>48</b>

**TEXT BOOKS:**

1. *Emakaje*-Ambikasuthan Mangad-DC Books Kottayam, Kerala
2. *Neermaathalam Poothakaalam*-Madhavikutty-DCBooksKottayam, Kerala

## REFERENCE BOOKS:

1. Athmakathasahithyam Malayalathil - Dr.Vijayalam Jayakumar (N.B.S.Kottayam)
2. Malayala Novel SahithyaCharitram-K.M.Tharakan (N.B.S.Kottayam)
3. Sahithya Charitram Prasthanangalilude -Dr.K.M George, (D.C.Books Kottayam)
4. Malayala Sahithyavimarsam - Sukumar Azheekode (D.C.books)

## CO, PO, PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-
CO3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
<b>Average</b>	-	3	3	-	-	-	3	-	-	-	-	2	-	-	-	-	-

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

**PREREQUISITE:**

- Not required

**COURSE OBJECTIVES(CO):**

- The fundamental objective of the curriculum is to impart effective science education at the undergraduate level, exposing them to recent trends and developments in the subject.
- Creating scientific temper is another major objective of this curriculum.
- Another major thrust given here is to develop an environmental concern in all activities of the students. 'Go green', the motto of the syllabus emphasizes the urgent need to conserve nature without destruction of natural resources.

**COURSE OUTCOMES(COS) :**

- Critical Thinking :Take informed actions after identifying the assumptions that frame students' thinking and actions.
- Problem Solving: Understand and solve problems of relevance to society to meet the specified needs using the knowledge, skills and attitudes acquired.
- Effective Communication: Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.
- Effective Citizenship: Demonstrate empathetic social concern and equity centered national development.
- Environment and Sustainability: Understand the issues of environmental contexts and sustainable development.

**UNIT I**

Introduction to Sanskrit Prose, Important prose works in Sanskrit

**9 HOURS****UNIT II**

Balaramayana – Balakanda

**9 HOURS****UNIT III**

Balaramayana – Ayodhyakanda

**10 HOURS****UNIT IV**

Balaramayana – Aranyakanda

**10 HOURS**

**UNIT V****10 HOURS**

Athmanepada Declension of ending nouns (feminine)  
Passages from Sanskrit Self Teacher (Simple sentences)

**TOTAL: 48 HOURS****TEXT BOOK:**

1. **Balaramayana – a simple prose version.R.S. Vadhyar and sons,Palghat, Kerala.**

**CO, PO, PSO Mapping**

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	2	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	3	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	2	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Average</b>	<b>2.6</b>	<b>2.6</b>	<b>2.8</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**1 - Low, 2 - Medium, 3 - High, '-' - No Correlation**

Instruction Hours/week: L:4 T:0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

- Not Required

**COURSE OBJECTIVES (CO):**

The goal of this course is for students to:

- Make the students to speak and write errors free French.
- Help the students develop their listening, speaking, reading and writing skills.
- Introducing literary works to the students to enhance their analytical and aesthetic skills.

**COURSE OUTCOMES (COs):**

Upon completion of this course, the students will be able to:

Cos	Course Outcomes	Blooms Level
CO1	Strengthen the foundation of the language.	Remember
CO2	Standardize and demonstrate understanding of LSRW skills.	Understand
CO3	utilize fundamentals of language for reading, writing and effective communication.	Apply
CO4	Enhancing the reading skill to build the leadership quality.	Apply
CO5	Develop the moral and aesthetic values.	Evaluate

**Unité- I** a) Leçon - Les loisirs **9 HOURS**

b) Communication - Parler de ses goûts et de ses préférences

c) Grammaire - Les adjectifs interrogatifs, Les nombres ordinaux, L'heure, Les pronoms personnels COD

d) Verbes - savoir et connaître

e) Lexique - Les loisirs, Les activités quotidiennes, Les matières

f) Culture - les grands fleuves de France.

**Unité- II** a) Leçon - La routine **9 HOURS**

b) Communication - Décrire une journée

c) Grammaire - Les verbes pronominaux, Les verbes du premier groupe en -e\_er, -é\_er, -eler, -eter, Le verbe prendre

d) Verbes - manger, boire

e) Lexique - Le temps et l'heure, La fréquence

f) Culture - les bandes dessinées.

<b>Unité- III</b>	a) Leçon -Où faire ses courses	<b>10 HOURS</b>
	b) Communication - Au restaurant : commander et commenter	
	c) Grammaire - Les articles partitifs, Le pronom (la quantité) très ou beaucoup ? La phrase négative	
	d) Verbes - les verbes irréguliers	
	e) Lexique - Les aliments, Les quantités, Les commerces et les commerçants	
	f) Culture -Les plats français	
<b>Unité-IV</b>	a) Leçon - Découvrez et dégustez	<b>10HOURS</b>
	b) Communication - Inviter et répondre ,à une invitation	
	c) Grammaire -L'impératif ,Il faut, c'est/ il est, future proche	
	d) Verbes - Les verbes devoir, pouvoir, savoir, vouloir	
	e) Lexique - Demander et dire le prix, Les services, Les moyens de paiement	
	f) Culture - Le festival du mot	
<b>Unité- V</b>	a) Leçon - Tout le monde s'amuse, Les ados au quotidien	<b>10 HOURS</b>
	b) Communication -Décrire une tenue , Écrire un message amical	
	c) Grammaire -Les adjectifs démonstratifs, La formation du féminin Le pronom indéfini on, passé composé.	
	d) Verbes - Les verbes du premier groupe en -yer, Les verbes voir et sortir	
	e) Lexique - Les sorties Situer dans le temps, La famille ,(2) Les vêtements et les accessoires	
	f) Culture - Le pays des gourmands	

**TOTAL: 48 HOURS**

#### **REFERENCE BOOKS:**

1. Cocton Marie –Noëlle , Duplex Dorothée, Heu Elodie , Kasazian Emilie, Ripaud Delphine, **Saison 1- Méthode de français**, Didier, Paris, 2015.
2. Cocton Marie – Noëlle, Duplex, Heu Elodie, Kasazian Emilie ,Ripaud Delphine, **Saison 1 – Cahier d'activités** ,Dider ,Paris , 2015
3. Anne Akyüz, Bernadette Bazelle- Shahmael, Joëlle Bonenfant, Marie- Françoise Gliemenn, **Les exercices de grammaire**, Hachette FLE, Paris, 2005
4. Christian Beaulieu, **Je pratique, Exercices de grammaire A1**, Dider, Paris, 2015
5. Nathalie BIE, philippe SANTINAN, **Grammaire pour adolescents-250 exercices**, CLE International , Paris , 2005

#### **WEBSITES :**

1. <http://enseigner.tv5monde.com/>
2. [bonjourdumonde.com /exercices/contenu/le – francais-du- tourisme.html](http://bonjourdumonde.com/exercices/contenu/le-francais-du-tourisme.html)
3. <http://www.bonjurdefrance.com/>
4. <https://www.lepointdufle.net/>

**CO, PO, PSO Mapping**

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO1	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Average	--	2.5	2.5	-	-	-	-	-	2	-	-	-	-	-	-	-	-

**1 - Low, 2 - Medium, 3 - High, '-' - No Correlation**



Instruction Hours/week: L:3 T:0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

- Not required

**COURSE OBJECTIVES (CO):**

- Ask the students speak and write error free English.
- Help the students develop their listening, speaking, reading, and writing skills.
- Introducing literary works to the students to enhance their analytical and aesthetic skills.

**COURSE OUTCOMES (COS):**

Upon completion of this course, the students will be able to:

Cos	Course Outcomes	Blooms Level
CO1	Strengthen the foundation of the language.	Remember
CO2	Standardize and demonstrate understanding of LSRW (Listening, Speaking, Reading, and Writing) skills.	Understand
CO3	Utilize fundamentals of language for reading, writing, and effective communication.	Apply
CO4	Enhance the reading skill to build leadership qualities.	Apply
CO5	Develop moral and aesthetic values.	Evaluate

**UNIT I****8 HOURS****LISTENING** : Listening for Pleasure**SPEAKING** : Developing speaking skills**READING** : Reading strategies**WRITING** : Developing a story with pictures**LITERATURE:** Refuge Mother and Child by Chinua Achebe (Poetry)**GRAMMAR** : Voice**UNIT II****7 HOURS****LISTENING** : Listening for Pleasure (Story)**SPEAKING** : Oral presentation**READING** : Reading Passages**WRITING** : Essay writing**LITERATURE** : Prose: Dimensions of Creativity by A.P.J. Abdul Kalam(Story)**GRAMMAR** : Subject, verb, agreement

**UNIT III** **7 HOURS**  
**LISTENING:** Dictation  
**SPEAKING :** Public speaking and secrets of good delivery  
**READING :** Note Making  
**WRITING :** Writing agendas, memos and minutes  
**LITERATURE:** River by A.K. Ramanujan  
**GRAMMAR :** Degrees of comparison

**UNIT IV** **7 HOURS**  
**LISTENING** : Listening to instructions and announcements  
**SPEAKING** : Debating  
**READING :** Silent reading and methods of reading  
**WRITING :** Writing Notices  
**LITERATURE:** Two Gentlemen of Verona by A.J. Cronin  
**GRAMMAR :** Phrases and clauses

**UNIT V** **7 HOURS**  
**LISTENING :** Testing listening  
**SPEAKING :** Situational Conversation  
**READING :** Developing reading activities  
**WRITING :** E Mail Writing  
**LITERATURE:** The Postmaster by Rabindranath Tagore  
**GRAMMAR :** Direct and indirect speech

**TOTAL: 36 HOURS**

**TEXT BOOK:**

1. Board of Editors (2024), Acrostic II. Karpagam Academy of Higher Education

**REFERENCE BOOKS:**

1. *Martin's, St* (2013). *Oxford Handbook of Writing: Handbook of Writing*. Cambridge University Press.
2. Julian Treasure, *SoundBusiness*, (2012). Oxford University Press
3. Hornby, A.S. (1975). *The Guide to patterns and usage in English*: oxford university Press.
4. Ellis, R. (1990). *Instructed second language acquisition*. Oxford: oxford university Press.

**WEBSITES:**

1. [https://shortstoryproject.com/stories/the postmaster/](https://shortstoryproject.com/stories/the-postmaster/)
2. [https://www.gradesaver.com/rabindranath tagore short stories/study guide/summary the postmaster](https://www.gradesaver.com/rabindranath-tagore-short-stories/study-guide/summary-the-postmaster)

## CO, PO, PSO Mapping

COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PO 15	PS O1	PS O2
CO1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2
CO2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2
CO3	-	-	2	-	-	2	-	-	-	-	3	-	-	-	-	1	2
CO4	-	3	-	2	2	-	-	-	2	-	2	-	-	2	2	1	2
CO5	-	2	-	-	-	-	-	-	3	-	-	-	1	-	3	1	2
Average	-	2.3	2	2	2	2	-	-	2.5	-	2.5	-	1	2	2	1	2

**3 Strong; 2 Medium; 1 Low**

**Instruction Hours/week: L:6 T:1 P:0****Marks: Internal:40 External:60 Total:100****End Semester Exam: 3 Hours****PREREQUISITE:**

- Knowledge of accounting practices related to partnerships and business transactions.

**COURSE OBJECTIVES (CO):**

- Understand the concept of partnership and the accounting procedures for the admission and retirement of partners, including methods of computing goodwill.
- Learn the accounting treatment for the dissolution of a partnership firm and the insolvency of partners.
- Gain practical knowledge in calculating fire claims and the accounting treatment of partnership firms.

**COURSE OUTCOMES (CSO):**

Upon completion of this course, the students will be able to:

<b>Cos</b>	<b>Course Outcomes</b>	<b>BloomsLevel</b>
CO1	Understand the concept of partnership and accounting procedures at the time of admission of a partner.	Understand
CO2	Acquire knowledge on methods of computing goodwill.	Understand
CO3	Gain knowledge on accounting treatment on the dissolution of a partnership firm.	Understand
CO4	Acquire knowledge on accounting treatment of insolvency of partners.	Understand
CO5	Gain knowledge on steps in the calculation of fire claims and acquire practical exposure on the accounting treatment of partnership firms.	Understand

**UNIT I: PARTNERSHIP****16 Hours**

Meaning – Definition –Partnership Deed – Interest on Capital –Partners Capital and Current Account Admission of a Partner Treatment of Goodwill Revaluation of Assets and Liabilities Calculation of Ratios for Distribution of Profits Capital Adjustments.

**UNIT II: RETIREMENT OF PARTNER****17 Hours**

Calculation of Gaining Ratio Revaluation of Assets and Liabilities Treatment of Goodwill – Adjustment of Goodwill through Capital A/c only Settlement of Accounts Retiring Partner's Loan Account with equal Instalments only – Death of a Partner.

**UNIT III: DISSOLUTION****17 Hours**

Modes of Dissolution Settlement of Accounts of Dissolution –Accounting entries regarding Dissolution – Garner Vs Murray rule – Fixed Capital Method – Fluctuating Capital Method – Application of Garner Vs Murray rule in India.

**UNIT IV: INSOLVENCY OF PARTNERS****17 Hours**

Meaning – Statement of Affairs Deficiency Account– Distinction between Insolvency of an Individual and Partnership firm Piecemeal Distribution Proportionate Capital Method– Maximum loss method.

**UNIT V: FIRE CLAIMS****17 Hours**

Fire Insurance Need – Important Terms – Steps in calculation of claims – Gross Profit Ratio – Memorandum Trading Account –Amount of Claim Average Clause –Over Valuation and Under Valuation of Stock – Loss of Profit.

**TOTAL 84 HOURS****Note: Theory 20% and Problems 80%****TEXT BOOKS:**

1. Maheswari, S.N., CA Sharad, K. Maheswari and K. Maheswari Suneel (2017), *Advanced Accounting*. Vikas Publishing House Pvt. Ltd., New Delhi.
2. Arulanandam, M.A., & Raman, K.S. (2016), *Advanced Accountancy*, Vikas Publishers, New Delhi.
3. Gupta, R.L., & Rathaswamy. (2014), *Advanced Accounting*. Sultan Chand & Sons, New Delhi.

**REFERENCE BOOKS:**

1. Jain, S.P. and Narang (2018), *Financial Accounting*, Kalyani Publishers, Ludhiana
2. Shukla, M.C. Grewal, T.S. and Gupta, S.C. (2016), *Advanced Accounts*, Sultan Chand and Sons, New Delhi
3. Gupta, R.L., (2014), *Advanced Accountancy*. Sultan Chand and Sons, New Delhi

**WEBSITES:**

1. [https://swayam.gov.in/nd2\\_cec20\\_mg16/preview](https://swayam.gov.in/nd2_cec20_mg16/preview)

**CO, PO, PSO Mapping**

Cos	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5	PSO 1	PSO 2
CO1	3	-	2	3	3	-	1	3	3	-	-	-	-	-	-	1	2
CO2	3	-	2	3	3	2	-	3	3	-	-	-	-	-	-	1	2
CO3	3	-	2	3	3	2	-	3	3	-	-	-	1	-	-	1	2
CO4	3	-	2	3	3	2	-	3	3	-	-	-	1	-	-	1	2
CO5	3	-	-	3	3	2	-	3	3	1	-	-	-	-	-	1	2
Average	3	-	2	3	3	2	1	3	3	1	-	-	1	-	-	1	2

**3 Strong; 2 Medium; 1 Low**

Instruction Hours/week: L:4 T:0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

- Familiarity with microeconomic concepts like supply and demand, market structures, and consumer behavior.

**COURSE OBJECTIVES (CO):**

- Understand key macroeconomic concepts, including inflation, interest rates, and macroeconomic behavior.
- Learn about policies for market stability and external factors influencing macroeconomics.
- Grasp the role of regulators in maintaining macroeconomic stability.

**COURSE OUTCOMES(COS):**

Upon completion of this course, the students will be able to:

COs	Course Outcomes	Blooms Level
CO1	Understand macroeconomic concepts & Inflation and Interest rates	Understand
CO2	Learn and apply the various policies which are used to have stability in the markets.	Apply
CO3	Understand the external factors influencing macroeconomics.	Understand
CO4	Learn the role of regulators.	Understand
CO5	Understand the macroeconomic behavior in response to various economic policies	Understand

**UNIT I: INTRODUCTION TO MACROECONOMICS****8 HOURS**

Microeconomics and Macroeconomics the concept of 'equilibrium' in economics, Broad outline

**UNIT II: INFLATION****10 HOURS**

Theories of inflation Impact of inflation on macroeconomic variables Controlling inflation Interest Rates Factors affecting the level of Interest Rate Impact of interest rates Concept of Real Interest Rate.

**UNIT III: NATIONAL INCOME ACCOUNTING:****10 HOURS**

Measuring Economic Activity Some other ways to measure National Income Saving and Investment in India Role of the Government in an Economy Government Expenditure and Revenue the Deficit Indicators Financing of deficit by the Government Fiscal Deficit and sustainability of Internal Debt Fiscal policies and their impact on the financial markets

**UNIT IV: GOVT. FISCAL AND MONETARY POLICY****10 HOURS**

Role of Money Components of Money in India Demand for Money Supply of Money Different roles of RBI in India Role of Commercial Banks in Money Supply Other Instruments of Money Supply Market Stabilization Scheme Use of Monetary policy Use of Fiscal policy.

**UNIT V: WHY DO COUNTRIES TRADE?****10 HOURS**

India and International Trade Balance of Payments Foreign Direct Investment Foreign Portfolio Investment Exchange Rates Foreign Exchange Reserves Impact of capital flows on money supply Sterilization of Capital Flows Role of Financial Markets, Equity, Derivative and Debt Markets Regulatory institutions such as RBI, SEBI, IRDA, PFRDA etc.

**TOTAL 48 HOURS****TEXT BOOKS:**

1. Principles of Macroeconomics, by Soumyen Sikdar, OUP India; 3rd edition
2. Principles of Macroeconomics, by Narayan Rangaraj, Dholakia, McGraw Hill Education

**REFERENCE BOOKS:**

1. NCFM – Macro Economics for Financial Markets – by NSE Academy, Mumbai
2. Macro economics: Theory and Policy, by Agarwal, Pearson Education India

**WEBSITE:**

1. <https://www.nseindia.com/learn/self-study-ncfm-modules-intermediate-macroeconomics-for-financial>

**CO, PO, PSO Mapping**

COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5	PSO 1	PSO 2
CO1	3	-		-	-	-	-	-	-	-	-	-	-	-	-	2	1
CO2	3	-	3	1	-	-	-	-	2	-	-	-	-	-	3	1	2
CO3	3	-	3	-	--	-	-	-	-	-	-	-	-	-	3	1	2
CO4	3	--	3	-	-	-	-	-	2	-	-	-	-	-	3	2	1
CO5	3	-	3	-	-	-	-	-	-	-	-	--	-	-	3	1	2
Average	3	-	3	1	-	-	-	-	2	-	-	-	-	-	3	1.4	1.6

**S Strong; M Medium; L Low**

Instruction Hours/week: L:5 T:1 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

- Basic understanding of statistical methods and concepts.

**COURSE OBJECTIVES(CO):**

- Describe the fundamental concepts of using statistics in commercial applications and to prepare the pupils to use statistical processes to solve business challenges.
- Provide a thorough explanation for measuring dispersion and to learn how correlation and regression are applied to company operations.
- Aware of issues in the construction of index numbers.

**COURSE OUTCOMES(COS):**

Upon completion of this course, the students will be able to:

COs	Course Outcomes	Blooms Level
CO1	Utilize the concept of matrices and differential calculus to solve business problems.	Apply
CO2	Calculate and apply the measures of central tendency and dispersion in decision making.	Analyze
CO3	Evaluate the relationship and association between variables to formulate strategies in business.	Apply
CO4	Apply the concept of trend analysis in business decisions.	Understand
CO5	Demonstrate capabilities in problem solving, critical thinking, and communication skills related to the discipline of statistics, and overcome issues in the construction of index numbers.	Understand

**UNIT I: MATRICES & BASIC MATHEMATICS OF FINANCE****14 HOURS**

Definition of a matrix. Types of matrices. Algebra of matrices. Calculation of values of determinants up to the third order. Adjoint of a matrix. Finding the inverse of a matrix through adjoint. Applications of matrices to the solution of simple business and economic problems. Rates of interest: Simple and compound interest.

**UNIT II: DIFFERENTIAL CALCULUS****14 HOURS**

Mathematical functions and their types: linear, quadratic, polynomial. Concepts of limit and continuity of a function. Concept of differentiation: Rules of differentiation – simple standard forms. Applications of



differentiation: Elasticity of demand and supply. Maxima and Minima of functions (involving second or third order derivatives) relating to cost, revenue, and profit.

### **UNIT III: UNIVARIATE ANALYSIS**

**14 HOURS**

Measures of Central Tendency: Arithmetic mean, Geometric mean, and Harmonic mean and their properties and applications. Median. Mode. Partition values: quartiles, deciles, and percentiles. Measures of Variation: Absolute and Relative. Range. Quartile Deviation. Mean Deviation. Standard Deviation. Coefficient of variation. Variance and its properties.

### **UNIT IV: BIVARIATE ANALYSIS:**

**15 HOURS**

Simple Linear Correlation Analysis: Meaning and measurement. Karl Pearson's coefficient and Spearman's rank correlation coefficient. Simple Linear Regression Analysis: Regression equations and estimation. Relationship between correlation and regression coefficients.

### **UNIT V: TIME BASED DATA: INDEX NUMBERS AND TIME SERIES ANALYSIS 15 HOURS**

Meaning and uses of index numbers; Construction of index numbers: Aggregative and average of relatives – simple and weighted. Tests of adequacy of index numbers. Construction of consumer price indices. Components of time series; additive and multiplicative models; Trend analysis: Finding trend by moving average method and fitting of linear trend line using the principle of least squares

**TOTAL 72 HOURS**

### **TEXT BOOKS:**

1. Mariappan(2015), BusinessMathematics,1<sup>st</sup>Edition,PearsonEducation, NewDelhi.
2. Sharma J.K,(2014)Businessstatistics,4<sup>th</sup>Edition,VikasPublishingHouse,NewDelhi.
3. Navaneetham, PA (2019). Business Mathematics and Statistics, Jai Publishers, Trichy

### **REFERENCE BOOKS:**

1. SreyashiGhoshandSujataSinha(2018),BusinessMathematicsandStatistics,1<sup>st</sup>Edition,Oxford UniversityPress, New Delhi.
2. AsimKumarManna(2018),BusinessMathematicsandStatistics,1<sup>st</sup>Edition,McGraw Hill Education, New Delhi.
3. Gupta S.PandGupta P.K.(2013),BusinessStatisticsandBusinessMathematics,S.ChandPublishing, NewDelhi.

### **WEBSITES:**

1. [https://www.youtube.com/watch?v=TGo0\\_eIEFoA](https://www.youtube.com/watch?v=TGo0_eIEFoA)
2. [https://www.youtube.com/watch?v=lBB4stn3exM&list=PLU6SqdYcYsfLeej\\_640C9vsR5FgmUF5Up](https://www.youtube.com/watch?v=lBB4stn3exM&list=PLU6SqdYcYsfLeej_640C9vsR5FgmUF5Up)
3. <https://www.coursera.org/specializations/business-statistics-analysis>

### CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PO1 3	PO1 4	PO1 5	PSO1	PSO2
CO1	-	-	-	-	-	2	-	-	-	-	2	-	-	-	-	1	2
CO2	-	-	1	-	-	-	-	-	-	1	2	-	-	-	<b>3</b>	1	2
CO3	-	2	1	1	-	-	-	-	2	-	2	-	-	-	<b>3</b>	1	2
CO4	-	2	2	-	-	-	-	-	-	1	2	-	-	-	<b>3</b>	1	2
CO5	-	2	-	1	-	-	-	-	-	-	2	-	-	-	<b>3</b>	1	2
Average	-	2	1.3	1	-	2	-	-	2	1	2	-	-	-	3	1	2

**S Strong; M Medium; L Low**

Instruction Hours/week: L:0 T:0 P:4

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITES:**

- Basic knowledge of Excel interface, data entry, and simple spreadsheet operations.

**COURSE OBJECTIVES(CO):**

- Understand the various inbuilt features of Excel and its applications in Finance.
- Construct formulas, including the use of built in functions, and relative and absolute REFERENCE BOOKS.
- Create and modify charts.

**COURSE OUTCOMES(COS):**

Upon completion of this course, the students will be able to:

Cos	Course Outcomes	Blooms Level
CO1	Apply the inbuilt features of Excel to various applications in Finance.	Apply
CO2	Apply formulas to arrive solutions to finance problems.	Apply
CO3	Build charts using dummy data.	Create
CO4	Carryout multiple data analysis.	Evaluate
CO5	Apply excel macros for building financial models	Apply

**Exercises:**

1. Microsoft Excel as a tool for Financial Analytics Introduction MS Excel, Excel's key board shortcuts, Excel functions –
  - Math's
  - Statistical
  - Logical
  - Lookup
  - Date
  - Text
  - Financial
  - Charts
  - Conditionalformatting
  - Auto&advancefilter
  - Sortingand Data validation
2. Data Analysis
  - Histogramanalysis
  - Descriptive analysis
  - Covariance & correlation analysis

**16 HOURS**

- Regression analysis
- What if analysis – Solver

**16 HOURS**

3. Application of Excel in Business Modelling and VBA

- Loan amortization model
- NPV model
- Ratio analysis model
- Macros, VBA

**16 HOURS  
TOTAL 48 HOURS**

**Application Required**

- Microsoft Excel

**TEXT BOOK:**

1. Advance Excel 2019 Training Guide: Tips and tricks to kick start your excel skills, by Manish Nigam, BPB Publications; First edition

**REFERENCE BOOKS:**

1. Excel 2019 All in One: Master the new features of Excel 2019, by Lokesh Lalwani, BPB Publications; 1st edition
2. Microsoft Excel 2019: Data Analysis & Business Model, by L. Winston Wayne, PHI Learning Pvt. Ltd.

**WEBSITE:**

1. <https://www.udemy.com/course/decision-making-with-excel-for-managers/?couponCode=SKILLS4SALEA>

**CO, PO, PSO Mapping**

COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PO 15	PS O1	PS O2
CO1	3	-	1	-	-	-	-	-	-	-	-	-	-	-	3	1	2
CO2	3	-	-	1	-	-	-	-	-	-	1	-	-	-	3	1	2
CO3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	2
CO4	3	-	1	-	-	-	-	-	-	-	1	-	-	-	3	1	2
CO5	3	-	-	1	-	-	-	-	-	-	-	-	-	-	3	1	2
Average	3	-	1	1	-	-	-	-	-	-	1	-	-	-	3	1	2

**S Strong; M Medium; L Low**

Instruction Hours/week: L:2 T:0 P:0

Marks: Internal:40 External: 60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

- Fundamentals of environment

**COURSE OBJECTIVES(CO):**

- Create awareness about structure and functions of various ecosystems.
- Develop an attitude of concern for the natural resources' availability and its environment protection.
- Learn about the environment, resources available, biodiversity and its conservation.

**COURSE OUTCOMES(COS):**

Upon completion of this course, the students will be able to:

Cos	Course Outcomes	Blooms Level
CO1	Define the structure and functions of various ecosystems	Remember
CO2	Learn the ethical, cross cultural, and historical context of natural resources and the methods for conservation	Understand
CO3	Predict current scenarios and find ways for the protection and betterment of habitat	Analyze
CO4	Analyze the interactions between social and environmental problems	Apply
CO5	Develop systems concepts and methodologies to analyze and understand interactions between social and environmental processes	Create

**UNIT I: INTRODUCTION ENVIRONMENTAL STUDIES & ECOSYSTEMS****5 HOURS**

Environment - Definition, Scope and Importance; Ecosystem, Structure, Classification, and Functions of Ecosystem. Energy Flow, Food Chains and Food Webs, Ecological Succession. Forest Ecosystem, Grassland Ecosystem, Desert Ecosystem, Aquatic Ecosystems (Ponds, Streams, Lakes, Rivers, Oceans, Estuaries).

**UNIT II: NATURAL RESOURCES RENEWABLE AND RESOURCES****5 HOURS**

Natural Resources - Renewable and Non renewable Resources. Land Resources, Land Degradation, Desertification. Forest Resources – Deforestation: Causes and Impacts Due to Mining. Water Resources Use and Over exploitation of Surface and Groundwater.

**UNIT III: BIODIVERSITY AND ITS CONSERVATION****5 HOURS**

Conservation of Biodiversity: In situ and Ex situ Conservation of Biodiversity. Values of Biodiversity Ecological, Economic, Social, Ethical, Aesthetic Value. Bio geographical Classification of India. Hot spots of Biodiversity. Endangered and Endemic Species of India. Threats to Biodiversity: Habitat Loss, Poaching of Wildlife, Man Wildlife Conflicts.

#### **UNIT IV: ENVIRONMENTAL POLLUTION**

**4 HOURS**

Definition, Causes, Effects and Control Measures of Air Pollution, Water Pollution, Soil Pollution, Noise Pollution. Nuclear Hazards and Human Health Risks.

#### **UNIT V: SOCIAL ISSUES AND THE ENVIRONMENT**

**5 HOURS**

Concept of Sustainability and Sustainable Development. Climate Change, Global Warming, Ozone Layer Depletion, Acid Rain and Its Impacts on Human Communities and Agriculture. Environment Laws (Environment Protection Act, Air Act, Water Act, Wildlife Protection Act, Forest Conservation Act).

**TOTAL 24 HOURS**

#### **TEXT BOOKS:**

1. Botkin, and Keller, (2014) *Environmental Science: Earth as a Living Planet* 9<sup>th</sup> Edition, Wiley
2. Rajagopalan, R (2016) *Environmental Studies: From Crisis to Cure*, Oxford University Press
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6. Sing, JS, Sing SP and Gupta, SR (2014) *Ecology, Environmental Science and Conservation*, S Chand & Publishing Company, New Delhi
7. Tripathy S N, and Sunakar Panda (2011) *Fundamentals of Environmental Studies*, 3<sup>rd</sup> Edition, Vrianda Publications Private Ltd, New Delhi
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1. <https://www.ou.edu/cas/environmentalstudies>

## CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	-	-	-	-	-	-	2	2	-	2	2	2	-	2	2	2
CO2	3	-	-	-	-	-	-	2	2	-	2	2	2	-	2	2	2
CO3	3	-	-	-	-	-	-	2	2	-	2	2	2	-	2	2	2
CO4	3	-	-	-	-	-	-	2	2	-	2	2	2	-	2	2	2
CO5	3	-	-	-	-	-	-	2	2	-	2	2	2	-	2	2	2
Avg	3	-	-	-	-	-	-	2	2	-	2	2	2	-	2	2	2

1 Low; 2 Medium; 3 Strong; '-' No correlation

**பாடத்திட்டப்பொதுநோக்கம்**

- வரலாற்றுக்கு முற்பட்ட தமிழகத்தின் சிறப்பை அறியச்செய்தல்.
- தமிழின் தொன்மையை மாணர்களுக்கு எடுத்துரைத்தல்.
- பழந்தமிழர் வாழ்க்கை முறையை உணர்த்துதல்.

**பாடத்திட்டப்பயன்விளைவு**

- தமிழ்மொழி வரலாறு குறித்த தெளிந்த அறிவு பெற்றிருத்தல்.
- தமிழரின் மரபு சார்ந்த மொழியின் செல்வாக்கை அறிதல்.
- பழந்தமிழ் இலக்கியங்களின்வழி பண்பாடு கலாச்சாரம் போன்றவற்றை அறிதல்.
- ஐவகை நிலஅமைப்பு, வாழ்வியல் ஒழுக்கலாறுகளைப் பெற்றிருத்தல்.
- இலக்கியங்களின்வழி கலைகளின் வளர்ச்சி மற்றும் அமைப்பு முறையை அறிதல்.

**அலகு – I வரலாற்றுக்கு முற்பட்ட தமிழகமும்சங்ககால வரலாறும்****8 மணிநேரம்**

வரலாறும் நிலஅமைப்பும் – வரலாற்றின் செல்வாக்கு – பல்வேறு காலங்களில் வரலாறு உண்டாக்கிய நாட்டுப் பிரிவுகள் பழைய கற்காலம் – புதிய கற்காலம் – இரும்புக் காலம்.

**அலகு – 2 தமிழின் தொன்மை****12 மணிநேரம்**

தமிழ் தோன்றிய இடம் – குமரிக்கண்டத் தமிழ் நாடுகள் – தமிழ் என்னும் பெயர் வரலாறு – திராவிட மொழிக்குடும்பம் – தமிழ்மொழிச் சிறப்பு – தமிழுக்குத் தமிழ் நாட்டவர் செய்ய வேண்டியவை – தமிழுக்கு வெளிநாட்டிற் செய்ய வேண்டியவை

**அலகு – 3 தமிழர் வாழ்வியல்****10 மணிநேரம்**

ஐவகை நிலங்கள் – களவு வாழ்க்கை – கற்பு வாழ்க்கை – அரசர் கடமை



- கல்வி நிலை - தொழில் நிலை - ஆடவர் நிலை - பெண்டிர் நிலை

**அலகு - 4 கட்டடக்கலையும் தமிழர் பண்பாடும் 10 மணிநேரம்**

கட்டடக்கலை தோற்றுவாய் - முதற்கலை - கட்டடக்கலையின் பழைமை - புதிய கற்காலம் - சங்ககாலம் - கோயில்கள் - அரண்மனைகள் - கோட்டைகள் - வீடுகள் - நீர்ப்பாசனக் கட்டடக்கலை - தமிழர் கட்டடக் கலையின் தனிச்சிறப்பு

**அலகு - 5 ஆற்றங்கரை நாகரிகம் 8 மணிநேரம்**

ஆறும் நாகரிகமும் - ஆறுகளின் தோற்றமும் நீளமும் - காவிரிக்கரை நாகரிகம் - இலக்கியச் சிறப்பு - கலைச்சிறப்பு - வைகைக்கரை நாகரிகம் இலக்கியச் சிறப்பு - கலைச்சிறப்பு , நொய்யல்கரை நாகரிகம்.

**மொத்தமணிநேரம் 48**

**பார்வை நூல்கள்**

1. முனைவர் அரங்க இராமலிங்கம் (பதிப்பாசிரியர்), தமிழர் நாகரிகமும் தமிழ் மொழிவரலாறும் (தொகுதி 1, 6, 2, 5, 10), வர்த்தமானன் பதிப்பகம், தியாகராயநகர், சென்னை 17.
2. கே.கே.பிள்ளை, தமிழக வரலாறு மக்களும் பண்பாடும், உலகத்தமிழ் ஆராய்ச்சி நிறுவனம் தரமணி, சென்னை 13.
3. நா.வானமாமலை, தமிழர் வரலாறும் பண்பாடும், நியூசெஞ்சுரி புக்ஹவுஸ், சென்னை 98.

**இணையதளம்**

1. [www.tvu.org.in](http://www.tvu.org.in)
2. [www.maduraitamilproject.com](http://www.maduraitamilproject.com)

**இதழ்கள்**

1. International Research Journal of Indian Literature, irjil.in
2. International Tamil Research Journal, iorpress.in

### CO, PO, PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	2	3	3	-	-	-	-	-	-	-	-	-	-	-	-	1	2
CO2	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	1	2
CO3	2	2	3	-	-	-	-	-	-	-	-	-	-	-	-	1	2
CO4	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	1	2
CO5	3	2	3	-	-	-	-	-	-	-	-	-	-	-	-	1	2
<b>Average</b>	<b>2.6</b>	<b>2.6</b>	<b>2.8</b>	-	-	-	-	-	-	-	-	-	-	-	-	1	2

**1 Low, 2 Medium, 3 High, '-' No Correlation**

**PREREQUISITE:**

- Not Required

**COURSE OBJECTIVES (CO):**

- Knowledge of contemporary drama contents of Hindi literature
- Learn novels and its techniques. The ability to read novels and express criticism about it and the ability to express social thoughts will improve
- There will also be litigation messages in Hindi and news on speech techniques

**COURSE OUTCOMES (COs):**

- Develop an interest in the appreciation of literature.
- Discuss and respond to content of a reading passage.
- Learning the literacy knowledge of Hindi specially reading and writing.
- Learning the literary knowledge specially reading and understanding of Hindi short Stories
- Learning the history of Hindi literature

<b>UNIT-I</b>	a) Story – Bade Ghar Ki Beti b) Hindi Bhasha Ka Vikas c) Novel – Ramnath,Jalpa d) Letter Writing –Personal Letter	<b>10 HOURS</b>
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<b>UNIT-II</b>	a) Story – Puraskar b) Kaal Vibhajan , Char Prakar c) Ramesh Babu ,Devdeen d) Letter Writing – Leave Letter	<b>10 HOURS</b>
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<b>UNIT-III</b>	a) Story – Usne Kaha Tha b) Literature – Adhikaal c) Indhubhooshan, Rathna,Johra	
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	d) Letter Writing – Letter for the Publisher	<b>10 HOURS</b>
<b>UNIT-IV</b>	a) Story – Paanchminte	
	b) Poorva Madhya Kaal	
	c) Manibhooshan,Dhayanath,Rameshwari	
	d) Letter Writing – Application for job	<b>10 HOURS</b>
<b>UNIT-V</b>	a) Story – kafan	
	b) Reethi Kaal,Adhunik Kaal	
	c) Dheen Dhayal,Manaki,	
	d) Letter Writing – Complaint Letter	<b>8 HOURS</b>

**TOTAL 48 HOURS**

**REFERENCE BOOKS:**

1. Story : Kahani Manjari  
Publisher : D.B.Hindi Prachar Sabha T.Nagar , Chennai – 600017
2. History of Hindi  
Literature : Hindi Sahithya ka Saral Ithihas  
Writer : Rajnath Sharma.A  
Publisher : Vinoth Pusthak Mandir Aagra – 02
3. Novel : Gaban  
Writer : Premchandh  
Publisher : Rajkamal Prakashan New Delhi – 110002
4. Letter Writing : Sumitha Hindi Nibandh Aur Pathra Lekhan  
Writer : Sri Sharan  
Publisher : Kalda Publication Mukhar Ji Nagar, Delhi - 09

### CO, PO, PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	2	3	3	-	-	-	-	-	-	-	-	-	-	-		-	-
CO2	3	3	3	-	-	-	-	-	-	-	-	-	-	-		-	-
CO3	2	2	3	-	-	-	-	-	-	-	-	-	-	-		-	-
CO4	3	3	2	-	-	-	-	-	-	-	-	-	-	-		-	-
CO5	3	2	3	-	-	-	-	-	-	-	-	-	-	-		-	-
<b>Average</b>	<b>2.6</b>	<b>2.6</b>	<b>2.8</b>	-	-	-	-	-	-	-	-	-	-	-		-	-

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:4 T:0 P:0

Marks: Internal:40 External: 60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

Not required

**COURSE OBJECTIVE (CO):**

- May have knowledge of the contents of primitive poetry Learn about contemporary poetry and its techniques.
- Interest in reading poetry and the ability to express social thoughts will improve
- This will help you to understand the basics of Malayalam Poetry and to understand Malayalam literature properly

**COURSE OUTCOME (COS):**

- Get a basic knowledge of the history of Malayalam literature.
- Enhances the art and taste of Malayalam literary works
- Literary genres can be learned
- Create more to read and enjoy Malayalam poetry
- Get the basic Knowledge of poetry techniques

Unit No	PART I – MALAYALAM III	Hours
I	Poetry – Chinthavishtayaya Seetha	10
II	Poetry – Chinthavishtayaya Seetha	10
III	Poetry – Mrugasikshakan-(Murgasikshakan,Kausalya,Varavu,Vittupoku Ekalavyan,Mazha) 6 poetries	10
IV	Poetry – Mrugasikshakan-(Kayal,Karkkadakam,Bhagavatham,Vazhivakkilenaikutty,Edavelayil oru nimisham,Verumoru kathu) 6 poetries	09
V	Poetry – Aayisha	09
	<b>TOTAL</b>	<b>48</b>

**TEXT BOOKS:**

1. Chinthavishtayaya Seetha –Kumaranasan,Kerala Book Store Publishers.
2. Mrugasikshakan – Vijayalakshmi,DC Books, Kottayam
3. Aayisha – VayalarRamavarma - Kerala Book Store Publishers

**REFERENCE BOOKS:**

1. Kavitha SahithyaCharitram-Dr.M.Leelavathi (Kerala SahithyaAcademy,Trichur)
2. Kavitha Dwani-Dr.M.Leelavathi (D.C.Books, Kottayam)

3. Aadhunika Sahithyacharithram Prasthanangalilude-Dr.K.M.George (D.C.Books, Kottayam)
4. Padya Sahithya Charithram – T.M.Chummar (Kerala Sahithya Academy, Trichur)

### CO, PO, PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Average</b>	3	2.5	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

**PREREQUISITE:**

- Not required

**COURSE OBJECTIVES (CO):**

- The fundamental objective of the curriculum is to impart effective science education at the undergraduate level, exposing them to recent trends and developments in the subject.
- Creating scientific temper is another major objective of this curriculum.
- Another major thrust given here is to develop an environmental concern in all activities of the students. 'Go green', the motto of the syllabus emphasizes the urgent need to conserve nature without destruction of natural resources.

**COURSE OUTCOMES (COs):**

- **Critical Thinking:** Take informed actions after identifying the assumptions that frame students' thinking and actions.
- **Problem Solving:** Understand and solve problems of relevance to society to meet the specified needs using the knowledge, skills and attitudes acquired.
- **Effective Communication:** Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.
- **Effective Citizenship:** Demonstrate empathetic social concern and equity centered national development.
- **Environment and Sustainability:** Understand the issues of environmental contexts and sustainable development.

**UNIT I**

History of Sanskrit Drama and its origin.

**10 HOURS****UNIT II**

Important Sanskrit Dramas and important authors.

**10 HOURS****UNIT III**

Text Prescribed: "Dutavakyam" of Bhasa, (First half)

**10 HOURS****UNIT IV**

Text Prescribed: "Dutavakyam" of Bhasa, (Second half)

**9 HOURS****UNIT V**

Translation : From the known passages of the above text.

**9 HOURS****TOTAL 48 HOURS**



**TEXT BOOK :**

1. "Dutavakyam of Bhasa" R.S.Vadhyar and Sons Palghat, Kerala.

**CO, PO, PSO Mapping**

CO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PO 15	PSO 1	PSO 2
CO1	2	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	2	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	3	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	3	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	2	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Average</b>	<b>2.6</b>	<b>2.6</b>	<b>2.8</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**1 - Low, 2 - Medium, 3 - High, '-' - No Correlation**

**PREREQUISITE:** Not Required

**COURSE OBJECTIVES (CO):**

- Enable students to recognize native accent and usage of French language.
- Help students to become autonomous and self-directed French language learners.
- Produce entrepreneurs among students by making them French language trainers and take communicative French to schools and colleges around.

**COURSE OUTCOMES (COs):**

Upon completion of this course, the students will be able to:

COs	Course Outcomes	Blooms Level
CO1	Identify new words by employing vocabulary building techniques.	Apply
CO2	Build correct sentence structures and grammatical patterns in oral and written communication	Apply
CO3	develop the ability to speak French language with the way of pronunciation.	Understand
CO4	Follow leadership, work ethics and management principles	Analyze
CO5	express values and skills gained through effective communication to other disciplines.	Analyze

**Unité – I**

- a) Leçon – Vivre la ville,, Visiter une ville
- b) Communication - Indiquer le chemin
- c) Grammaire - La comparaison, Les prépositions avec les noms géographiques, Les pronoms personnels COI
- d) Lexique – La ville, Les lieux de la ville, Les transports
- e) Culture – Le français : une ouverture sur le monde **10 HOURS**

**Unité – II**

- a) Leçon - • On vend ou on garde ?
- b) Communication - Demander des renseignements touristiques
- c) – Grammaire - Le pronom y (le lieu), La position des pronoms compléments Les verbes du premier groupe en -ger et -cer,
- d) Les verbes ouvrir et accueillir
- e) Lexique - Les points cardinaux, Les prépositions de lieu (2)
- f) Culture – Le français : une ouverture sur le monde **10 HOURS**

**Unité – III**

- a) Leçon -
- b) Communication- permettre, défendre.

- c) Grammaire -La formation du pluriel (2)  
 Les adjectifs de couler, Les adjectifs beau, nouveau, vieux  
 d) Lexique - Les couleurs, Les formes, Les me  
 e) culture – les grandes fleuves en Français. **10 HOURS**

- Unité – IV**
- a) Leçon – Félicitations !  
 b) Communication - Décrire un objet  
 c) Grammaire - Les pronoms relatifs qui et que,  
 L'imparfait, Les verbes connaître, écrire, mettre et vendre  
 d) Lexique – Les mesures, L'informatique  
 DIRE, LIRE, ECRIRE , Les sons [E] / [O] / [Œ]  
 e) Culture –Les lieux de la ville. **9 HOURS**

- Unité - V**
- a) Leçon -En voyage !  
 b) Communication -• Présenter ses vœux, Faire une réservation  
 c) Grammaire - Les pronoms démonstratifs, La question avec Inversion, Les  
 adverbes de manière,  
 d) Lexique -Les voyages, L'aéroport et l'avion, Les fêtes  
 e) Culture –Noël **9 HOURS**  
**TOTAL 48 HOURS**

#### REFERENCE BOOKS:

- Cocton Marie –Noëlle , Duplex Dorothée, Heu Elodie , Kasazian Emilie, Ripaud Delphine, **Saison 1- Méthode de français**, Didier, paris.2015.
- Cocton Marie – Noëlle, Dupleix, Heu Elodie, Kasazian Emilie ,Ripaud Deldphin, **Saison 1 –**
- **Cahier d'activites** , Dider ,Paris , 2015
- Anne Akyüz, Bernadette Bazelle- Shahmael, Joëlle Bonenfant, **Marie- Françoise Gliemenn, Les exercices de grammaire, Hachette FLE, Paris, 2005**
- Christian Beaulieu, **Je pratique**, Exercices de grammaire A1, Dider, Paris, 2015
- Nathalie BIE, philippe SANTINAN, **Grammaire pour adolescents-250 exercices, CLE International , Paris , 2005**

#### WEBSITES :

- <http://enseigner.tv5monde.com/>
- [bonjourdumonde.com /exercices/contenu/le – francais-du- tourisme.html](http://bonjourdumonde.com/exercices/contenu/le-francais-du-tourisme.html)
- <http://www.bonjurdefrance.com/>
- <https://www.lepointdufle.net/>

**CO, PO, PSO Mapping**

<b>CO</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>	<b>PO12</b>	<b>PO13</b>	<b>PO14</b>	<b>PO15</b>	<b>PSO1</b>	<b>PSO2</b>
CO1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Average</b>	<b>3</b>	<b>2.5</b>	<b>2</b>	<b>2</b>	-	-	-	-	-	-	-	-	-	-	-	-	-

**1 - Low, 2 - Medium, 3 - High, '-' - No Correlation**

Instruction Hours/week: L:3 T:0 P:0

Marks: Internal:40 External: 60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

- Not required

**COURSE OBJECTIVES (CO):**

- Enable students to recognize native accents and usage of the English language.
- Help students become autonomous and self-directed English language learners.
- Foster entrepreneurship by training students as english language trainers and promoting communicative english in schools and colleges.

**COURSE OUTCOMES (COS):**

Upon completion of this course, the students will be able to:

COs	Course Outcomes	Blooms Level
CO1	Identify new words using vocabulary-building techniques.	Apply
CO2	Construct correct sentence structures and grammatical patterns in oral and written communication.	Apply
CO3	Develop the ability to speak English with accurate pronunciation.	Understand
CO4	Apply leadership, work ethics, and management principles <b>effectively</b> .	Analyze
CO5	Express values and skills gained through effective communication across various disciplines.	Analyze

**UNIT I****8 HOURS**

**LISTENING:** Listening Comprehension Listening for Specific Information Interpreting Charts and Diagrams

**UNIT II****7 HOURS**

**SPEAKING:** Essentials of effective Communication.

**Telephone Skills:** Understanding Telephone Conversation Handling Calls Leaving Messages Making Requests Giving Instructions and Orders

**UNIT III****7 HOURS**

**READING:** Reading with a purpose Skimming and Scanning Locating Main Points Reading Critically Sequencing of Sentences Reading Comprehension

**UNIT IV****7 HOURS**

**WRITING:** Descriptive and Narrative Safety Instructions Suggestions Expansion of Abbreviations Spellings Rules Translation Translating Short Sentences and Passages from English to Tamil

**UNIT V****7 HOURS**

**VOCABULARY:** Synonyms Antonyms Prefixes Suffixes Idioms Different Types of English Homonyms and Homophones (British and American)

**TOTAL 36 HOURS****TEXT BOOKS:**

1. Board of Editors (2024). *Proficiency in Communication I*. Karpagam Academy of Higher Education

**REFERENCE BOOKS:**

1. Martin's, St (2013). *Oxford Handbook of Writing: Handbook of Writing*. Cambridge University Press.
2. Wren & Martin, (2008). *High School English Grammar & Composition*, S.Chand & Company Ltd, Board of Editors,
3. Krashen, Stephen D (1982). *Principles and Practice in Second Language Acquisition*, New York: Pergamon Press

**WEBSITES:**

1. <https://www.scribbr.com/>
2. <https://www.quora.com/>

**CO, PO, PSO Mapping**

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2
CO2	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1	2
CO3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2
CO4	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	1	2
CO5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2
<b>Average</b>	<b>3</b>	<b>2.5</b>	<b>2</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>2</b>

**1 Low, 2 Medium, 3 High, '-' No Correlation**

Instruction Hours/week: L:6 T:1 P:0

Marks: Internal:40 External: 60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

- Basic understanding of accounting principles and financial statements.

**COURSE OBJECTIVES(CO):**

- Understand the procedures for issuing shares, debentures, and the amalgamation and absorption of companies.
- Grasp the accounting treatment for company reconstruction and prepare financial statements.
- Learn the procedures for the liquidation of companies.

**COURSE OUTCOMES(COS):**

Upon completion of this course, the students will be able to:

Cos	Course Outcomes	Blooms Level
CO1	Understand procedures for issue of shares and debentures	Understand
CO2	Learn procedures for amalgamation and absorption of companies	Understand
CO3	Understand accounting treatment for reconstruction of companies	Apply
CO4	Prepare financial statement of companies	Understand
CO5	Learn procedure for liquidation of companies	Understand

**UNIT I: COMPANY****19 Hours**

Introduction to Companies and Types of Companies Share Capital and Debentures Share – Meaning – Types – Share Vs Stock Issue of Shares at Par and Premium–Allotment of Shares on Pro rata Basis Forfeiture and Reissue of Shares Full and Partial Re issue Capital Reserve on Forfeiture Concepts of Bonus /Rights issues and Buy Back of Shares

**UNIT II: AMALGAMATION, ABSORPTION OF COMPANIES****19 Hours**

Accounting for Amalgamation (AS14) – types of Amalgamation Method of Purchase Consideration and Accounting for Absorption of Companies

**UNIT III: RECONSTRUCTION OF COMPANIES****19 Hours**

Accounting for Reconstruction of Companies External and Internal (Excluding preparation of scheme)

**UNIT IV: FINANCIAL STATEMENT OF COMPANIES****19 Hours**

Preparation of Financial Statement of Companies in accordance with Schedule III of Companies Act 2013 Balance Sheet Statement of Profit and Loss – Calculation of Managerial Remuneration (Basic adjustments)

**UNIT V: LIQUIDATION OF COMPANIES****20 Hours**

Liquidation of Companies–Calculation of Liquidator’s Remuneration Preparation of Statement of Affairs and Deficiency Accounts– Preparation of Liquidators Final Statement of Accounts

**Total 96 Hours****TEXT BOOKS:**

1. Jain, SP and KL Narang (2015), Corporate Accounting, 8<sup>th</sup> Edition, Vol I, Kalyani Publishers, New Delhi
2. Jain, SP and KL Narang (2014), Advanced Accountancy (Corporate Accounting), 8<sup>th</sup> Edition, Vol I, Kalyani Publishers, New Delhi
3. CA&DrPCTulsian&CABharatTulsian(2016),CorporateAccounting,2<sup>nd</sup> Edition, SChand and Sons, New Delhi

**REFERENCE BOOKS:**

1. Reddyand Moorthy(2018),CorporateAccounting,MarghamPublications, Chennai
2. MC Shukla, TS Grewal, and SC Gupta (2016) Advanced Accounts, VolII 20<sup>th</sup>Edition, S Chand & Co, New Delhi
3. Dr S N Maheshwari,CA Sharad K Maheshwari&Dr Suneel K Maheshwari (2018), Corporate Accounting, 6<sup>th</sup> Edition, Vikas Publishing, New Delhi

**WEBSITE:**

1. [https://swayamgovin/nd2\\_imb20\\_mg32/preview](https://swayamgovin/nd2_imb20_mg32/preview)

**CO, PO, PSO Mapping**

Cos	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5	PSO 1	PSO 2
CO1	3	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	2
CO2	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	2
CO3	3	-	-	-	2	-	-	-	-	-	-	-	-	-	3	1	2
CO4	3	1	-	-	-	-	-	-	-	-	-	-	-	-	3	1	2
CO5	3	-	1	1	2	-	-	-	-	-	-	-	-	-	3	1	2
Average	3	1	1	1	2	1	-	-	-	-	-	-	-	-	3	1	2

**3 Strong; 2 Medium; 1 Low, - : No correlation**



**PREREQUISITE:**

- Basic knowledge in programming, mathematics (including linear algebra, calculus, and statistics), data science, algorithms, and computer science concepts.

**COURSE OBJECTIVES(CO):**

1. Understand the need and significance of machine learning and basic concepts of AI, including state-of-the-art techniques.
2. Identify, formulate, and implement a machine learning project and explore its applications across various business aspects.
3. Learn the application of machine learning and AI algorithms in different fields such as science, medicine, and finance.

**COURSE OUTCOMES(COS):**

Upon completion of this course, the students will be able to:

Cos	Course Outcomes	Blooms Level
CO1	Understand the basic definition and need for machine learning	Understand
CO2	Underst and the core aspects behind any machine learning project	Understand
CO3	Abilityto implement a machine learning project	Apply
CO4	Abilityto identify potential applications of machine learning in real time	Apply
CO5	Applythe machine learningconcepts in real life problems	Apply

**UNIT I: BASICS CONCEPTS OF MACHINE LEARNING****9 HOURS**

ML Definition, Various kinds of problems tackled using ML, some standard learning tasks, Learning Stages, Learning Scenarios, Generalization, Data, Models and Learning, Parameter Estimation, Probabilistic Modelling and Inference, Directed Graphical Models, Setting up your working Environment, Supervised vs Unsupervised Learning, Cross Validation, Evaluation metrics.

**UNIT II: ADVANCED CONCEPTS OF MACHINE LEARNING****9 HOURS**

Fundamentals of statistical learning theory Convergence and learn ability Kullback Leibler Information Model selection and the bias variance trade off Cross validation Regularization Generative vs Discriminative models Neural Networks The Perceptron Feed Forward Neural Networks Back propagation and stochastic gradient descent Regularization and drop out Application to investment management

**UNIT III: SUPERVISED LEARNING****10 HOURS**

Linear Regression Parametric Problems Decision Trees Random Forests Classifications K Nearest

Neighbors Support Vector Naïve Bayes

**UNIT IV: UNSUPERVISED LEARNING**

**10 HOURS**

Clustering K Means clustering Dimensionality Reduction Principle Component Analysis Hierarchical Clustering DBSCAN Semi supervised learning Reinforcement Learning

**UNIT V: ADVANCED NEURAL NETWORKS**

**10 HOURS**

Convolutional Neural Networks Recurrent Neural Networks Long Short Term Memory (LSTM) Autoencoders Applying Learning to Real problems Image Classification & Segmentation Scoring Opinion and Sentiments Recommending Products and Movies Bitcoin Prediction Predicting from the Limit Order Book

**TOTAL 48 HOURS**

**REFERENCE BOOKS:**

1. Mac Namee, B, D'Arcy, A, Kelleher, J D (2015) Fundamentals of Machine Learning for Predictive Data Analytics: Algorithms, Worked Examples, and Case Studies United Kingdom: MIT Press
2. Artificial Intelligence and Intelligent Systems, by N P Padhy, Oxford University Press,
3. Lopez de Prado, M (2018) Advances in Financial Machine Learning Germany: Wiley

**TEXT BOOKS:**

1. Dixon, M F, Halperin, I, Bilokon, P A (2020) Machine Learning in Finance: From Theory to Practice Germany: Springer International Publishing
2. Mueller, J P, Massaron, L (2021) Machine Learning For Dummies United States: Wiley
3. Guido, S, Müller, A C (2016) Introduction to Machine Learning with Python: A Guide for Data Scientists United States: O'Reilly Media
4. Mueller, J P, Massaron, L (2021) Machine Learning For Dummies United States: Wiley
5. Cooper, S (2018) Machine Learning for Beginners: An Introduction for Beginners, Why Machine Learning Matters Today and How Machine Learning Networks, Algorithms, Concepts and Neural Networks Really Work (np): Steven Cooper

**WEBSITE**

1. <https://www.kdnuggets.com/2020/03/trends-machine-learning-2020.html>

**CO, PO, PSO Mapping**

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15
CO1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
CO2	3	-	3	-	-	-	-	-	-	2	-	-	-	-	2
CO3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
CO4	3	-	3	2	-	-	-	-	-	2	1	-	-	-	
CO5	3	-	3	2	-	-	-	-	1	2	-	-	-	-	2

**S Strong; M Medium; L Low**

Instruction Hours/week: L:2 T:0 P:0

Marks: Internal:40 External: 60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

- Not Required

**COURSE OBJECTIVES (CO):**

- Gain insights into the structures, challenges, and opportunities within communities
- Explore ethical frameworks and dilemmas related to community engagement and social responsibility
- Develop skills in monitoring, evaluating, and reporting on the outcomes of community engagement efforts to ensure effectiveness and accountability.

**COURSE OUTCOMES (COS):**

Upon completion of this course, the students will be able to:

Cos	Course Outcomes	Blooms Level
CO1	Understand the concept, ethics, and spectrum of community engagement	Understand
CO2	Recognize the significance in local community development and rural culture.	Understand
CO3	Know the rural development programs, institutions	Understand
CO4	Analyze the role of local administration in fostering community involvement and social networking.	Analyze
CO5	Develop skills in conducting community engaged research with a focus on ethics, rural distress, poverty alleviation, and disaster mitigation.	Apply

**UNIT I: INTRODUCTION AND PRINCIPLES****8 HOURS**

Concept, Ethics and Spectrum of Community engagement, Local community, Rural culture and Practice of community engagement - Stages, Components and Principles of community development, Utility of public resources. Contributions of self-help groups

**UNIT II: RURAL DEVELOPMENT****8 HOURS**

Rural Development Programs and Rural institutions Local Administration and Community Involvement- Social contribution of community networking, Various government schemes. Programmes of community engagement and their evaluation.

**UNIT III: COMMUNITY AND RESEARCH****8 HOURS**

Community Engaged Research and Ethics in Community Engaged Research Rural Distress,

**TEXT BOOK:**

*Principles of Community Engagement*, (2011). 2nd Edition, NIH Publication No. 11-7782.

**WEBSITES:**

1. <https://youtu.be/-SQK9RGBt7o>
2. [https://www.uvm.edu/sites/default/files/community\\_engagement\\_handout.pdf](https://www.uvm.edu/sites/default/files/community_engagement_handout.pdf) (Community Engagement)
3. [https://www.atsdr.cdc.gov/communityengagement/pce\\_concepts.html](https://www.atsdr.cdc.gov/communityengagement/pce_concepts.html) (Perspectives of Community)
4. <https://egyankosh.ac.in/bitstream/123456789/59002/1/Unit1.pdf> (community concepts)
5. <https://sustainingcommunity.wordpress.com/2013/07/09/ethics-and-community-engagement/> (Ethics of community engagement)
6. <https://www.preservearticles.com/sociology/what-are-the-essential-elements-of-community/4558> (Elementsof Community)
7. <https://www.yourarticlelibrary.com/sociology/rural-sociology/rural-community-top-10-characteristics-of-the-rural-community-explained/34968> (features of rural community)
8. <https://www.mapsofindia.com/my-india/government/schemes-for-rural-development-launched-by-government-of-india> (Government programmes for rural development)
9. <https://www.yourarticlelibrary.com/sociology/rural-sociology/rural-community-top-10-characteristics-of-the-rural-community-explained/34968> (rural lifestyle)
10. <https://www.insightsonindia.com/social-justice/issues-related-to-rural-development/government-schemes-for-rural-development-in-india/> (schemes for rural development)
11. <https://www.mpgkpdf.com/2021/09/community-development-plan-in-hindi.html?m=1>
12. <https://images.app.goo.gl/sNF2HMWCuCfkqYz56>
13. <https://images.app.goo.gl/VaMNNMEs77XyPMrP7>

### CO, PO, PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	3	-	-	3	-	-	-	-	-	-	-	-	-	2	-	-
CO2	3	2	-	-	3	-	2	1	-	2	-	-	-	-	-	-	1
CO3	3	-	2	3	-	2	-	-	-	-	-	-	-	-	-	-	-
CO4	3	-	2	-	-	2	-	1	-	3	-	-	-	-	2	-	1
CO5	3	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Average</b>	<b>3</b>	<b>2.5</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>-</b>	<b>2.5</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2</b>	<b>-</b>	<b>1</b>

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

**PREREQUISITE:**

Basic knowledge of financial accounting principles.

**COURSE OBJECTIVES(CO):**

- Build knowledge and understanding of accounting standards and the conceptual framework (based on IFRS and Ind AS) applicable to corporate entities, and to classify business transactions and create financial statements according to generally accepted accounting principles.
- Examine the important role accounting plays in society and how it helps individuals make informed decisions.
- Construct financial statements for individual entities for the use of shareholders.

**COURSE OUTCOMES(COS):**

Upon completion of this course, the students will be able to:

<b>Cos</b>	<b>Course Outcomes</b>	<b>Blooms Level</b>
CO1	Understand the use and application of IFRS (and Ind AS in India).	Understand
CO2	Apply accounting principles on business.	Apply
CO3	Classify the business transactions and create financial statements according to generally accepted accounting principles.	Analyze
CO4	Construct financial statements for individual entities for the use of shareholders.	Apply
CO5	Analyze the financial statements of companies.	Evaluate

**UNIT I: USE OF IFRS AND IND AS****12 HOURS**

Understand the application of IFRS in India through the use of Ind AS – the applicability of Ind AS – the mapping of Ind AS to IFRS – differences between IFRS & Ind AS – the list of IFRS (Ind AS) – Process of transition to IFRS for the first time Overview of applicable US GAAP accounting guidance Divergence between US GAAP and IFRS

**UNIT II: APPLICATION OF IFRS (IND AS) FOR TRANSACTIONS****12 HOURS**

Asset based standards such as PPE, Intangible assets, borrowing costs, impairment of assets, inventory & biological assets, provisions & contingencies, events after reporting period, accounting policies, estimates & errors

**UNIT III: REVENUE RECOGNITION****12 HOURS**

Understand the principles of recognizing revenue of the business – revenue recognition for goods, services, interest and dividends – concept of deferred income and accounting thereof

**UNIT IV: PREPARATION & PRESENTATION OF FINANCIAL STATEMENTS****12 HOURS**

Thorough knowledge of preparation & presentation of financial statements by incorporating the effects of the accounting standards (covered in module 2 & 3 only) statement of profit or loss and other comprehensive income – statement of financial position (Balance sheet)

**UNIT V: ANALYSIS OF FINANCIAL STATEMENTS****12 HOURS**

Analyse the financial performance of an entity using the financial statements – use of ratios in performance evaluation – according to statement – according to function – according to purpose trend analysis – comparison with competition or industry average

**TOTAL 60 HOURS****TEXT BOOKS:**

1. Charles H Gibson (2013), Financial Statement Analysis, 13th edition, Cengage Learning India Private Limited, New Delhi
2. Lawrence Revsine, Daniel Collins, Bruce Johnson, Fred Mittelstaedt, Leonard Soffer (2015), Financial Reporting and Analysis, 6th Edition, McGraw Hill Education, New Delhi
3. Deepa Agarwal (2017), Financial Reporting and Auditors Responsibility, 2nd edition, Bloomsbury Professional India, New Delhi

**REFERENCE BOOKS:**

1. Subramanyam, K R and John, JW (2014), —Financial Statement Analysis, 10th Edition, Tata McGraw Hill, New Delhi
2. Stephen H Penman (2014) —Financial Statement Analysis and Security Valuation, 4th Edition, Tata McGraw Hill, New Delhi
3. MS Narasimhan (2016), Financial Statement Analysis, 1st Edition, Cengage Learning India Private Limited, New Delhi

**WEBSITES:**

1. [www.acca.in](http://www.acca.in)
2. [www.nfra.gov.in](http://www.nfra.gov.in)

**CO, PO, PSO Mapping**

Cos	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PO 15	PS O1	PS O2
CO1	3	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	2
CO2	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	2
CO3	3	-	-	-	2	-	-	-	-	-	-	-	-	-	3	1	2
CO4	3	1	-	-	-	-	-	-	-	-	-	-	-	-	3	1	2
CO5	3	-	1	1	2	-	-	-	-	-	-	-	-	-	3	1	2
Average	3	1	1	1	2	1	-	-	-	-	-	-	-	-	3	1	2

**3 Strong; 2 Medium; 1 Low**



**PREREQUISITE**

- Basic knowledge of financial accounting and economics.

**COURSE OBJECTIVES(CO):**

- Understand the terms and jargons used in financial newspapers and periodicals, and to learn about financial statements and their interpretations.
- Understand the types of financial markets and instruments used for trade, and the concepts of derivatives.
- Understand the role and functions of various intermediaries and regulatory bodies in the Indian financial market.

**COURSE OUTCOMES(COS):**

Upon completion of this course, the students will be able to:

COs	Course Outcomes	Blooms Level
CO1	Understand the basic concepts relating to different avenues of investment	Understand
CO2	Understand the role and functioning of the market	Understand
CO3	Apply the concepts of derivative	Apply
CO4	Analysis the difference between the primary and the secondary market	Understand
CO5	Evaluate the various financial statements	Evaluate

**UNIT I: MARKETS AND FINANCIAL INSTRUMENTS****12 HOURS**

Types of Markets: Equity Debt, Derivatives Commodities; Meaning and features of private, Public companies; Types of investment avenues

**UNIT II: PRIMARY MARKET****12 HOURS**

Initial Public Offer (IPO); Book Building through Online IPO; Eligibility to issue securities; Pricing of Issues; Fixed versus Book Building issues; allotment of Shares; Basis of Allotment; Private Placement

**UNIT III: SECONDARY MARKET****12 HOURS**

Role and functions of Securities and Exchange Board of India (SEBI); Depositories; Stock exchanges Intermediaries in the Indian stock market Listing; Membership; Trading Clearing and settlement and risk management; Investor protection fund (IPF); and Do's and Don'ts for investors, Equity and debt investment

**UNIT IV: DERIVATIVES****12 HOURS**

Types of derivatives; Commodity and commodity exchanges; Commodity versus financial derivatives

**UNIT V: FINANCIAL STATEMENT ANALYSIS****12 HOURS**

Balance sheet; Profit &amp; loss account; Stock market related ratios; Simple analysis before investing in the shares; understanding annual report; Director's report etc

**TOTAL 60 HOURS****TEXT BOOKS:**

1. HR Machiraju (2019) Indian Financial System New Delhi: Vikas Publishing
2. MY Khan, PK Jain (2017), Financial Management Bangalore: McGraw Hill Education
3. JoydeepSen, Abhishek Apte (2013), Fixed Income Markets in India Mumbai: Shroff Publishers & Distributors Pvt Ltd

**REFERENCE BOOKS:**

1. NSE Academy, NCFM Financial Markets: Beginners Module, Mumbai
2. M Y Khan, Indian Financial System, McGraw Hill Education, 2019

**WEBSITE**

1. [www.nse.com](http://www.nse.com)

**CO, PO, PSO Mapping**

Cos	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5	PSO 1	PSO 2
CO1	3	-	-	-	2	-	-	-	-	-	3	-	-	-	-	1	2
CO2	3	-	-	-	-	-	-	-	-	-	3	-	2	-	-	1	2
CO3	3	-	-	-	-	-	-	-	-	-	3	-	-	-	3	1	2
CO4	3	-	-	-	-	-	-	-	-	-	3	-	-	-	3	1	2
CO5	3	-	-	-	2	-	-	-	-	-	3	-	2	-	3	1	2
<b>Average</b>	<b>3</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3</b>	<b>-</b>	<b>2</b>	<b>-</b>	<b>3</b>	<b>1</b>	<b>2</b>

S Strong; M Medium; L Low

Instruction Hours/week: L:1 T:0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

- Not Required

**COURSE OBJECTIVES (CO):**

- Introduce students to foundational concepts in Indian Knowledge Systems (IKS), including philosophical schools, texts, and cultural practices.
- Explore the contributions of Indian mathematics, astronomy, and technology to global knowledge systems and their interdisciplinary connections.
- Analyze the ethical, philosophical, and practical implications of ancient Indian sciences and humanities in contemporary contexts.

**COURSE OUTCOMES (COs)**

Upon completion of this course, the students will be able to:

COs	Course Outcomes	Blooms Level
CO1	Identify and describe key components of Indian Knowledge Systems (IKS), including Vedic and non Vedic philosophical schools, texts such as Puranas and Itihasa, and Niti Sastras.	Understand
CO2	Analyze and evaluate the contributions of Indian mathematics and astronomy to scientific knowledge, demonstrating an understanding of their historical development and modern relevance.	Analyze
CO3	Apply foundational linguistic and phonetic principles from Sanskrit texts like Panini's Astadhyayi to understand their computational and linguistic significance.	Apply
CO4	Demonstrate proficiency in calculating and applying geometric, trigonometric, and algebraic principles from ancient Indian mathematical texts.	Apply
CO5	Critically assess the cultural, philosophical, and ethical implications of Indian sciences and humanities, including their role in shaping societal norms and values.	Analyze

**UNIT 1: INTRODUCTION TO IKS****3 HOURS**

Caturdaśa Vidyāsthānam, 64 Kalas, Shilpa Śāstra, Four Vedas, Vedāṅga, Indian Philosophical Systems, Vedic Schools of Philosophy (Sāṃkhya and Yoga, Nyaya and Vaiśeṣika, Pūrva Mīmāṃsā and Vedānta), Non-Vedic Schools of Philosophical Systems (Cārvāka, Buddhist, Jain), Puranas (Maha Puranas, Upa Puranas and Sthala Puranas), Itihasa (Ramayana, Mahabharata), Niti Sastras, Subhasitas.

**UNIT 2: FOUNDATION CONCEPT FOR SCIENCE & TECHNOLOGY****3 HOURS**

Linguistics & Phonetics in Sanskrit (Pāṇini's), Computational Concepts in Aṣṭādhyāyī, Importance of Verbs, Role of Sanskrit in Natural Language Processing, Number System and Units of Measurement, Concept of Zero and its Importance, Large Numbers & their Representation, Place Value of Numerals, Decimal System, Measurements for Time, Distance, and Weight, Unique Approaches to Represent Numbers (Bhūta Saṃkhya System, Kaṭapayādi System), Pingala and the Binary System, Knowledge Pyramid, Prameya – A Vaiśeṣika Approach to Physical Reality, Constituents of the Physical Reality, Pramāṇa, Saṃśaya.

### **UNIT 3: INDIAN MATHEMATICS & ASTRONOMY**

**2 HOURS**

Indian Mathematics, Great Mathematicians and their Contributions, Arithmetic Operations, Geometry (Sulba Sutras, Aryabhatiya Bhasya), Value of  $\pi$ , Trigonometry, Algebra, Chandah Śāstra of Pingala, Indian Astronomy, Celestial Coordinate System, Elements of the Indian Calendar, Aryabhatiya and the Siddhantic Tradition, Pancanga – The Indian Calendar System, Astronomical Instruments (Yantras), Jantar Mantar or Raja Jai Singh Sawal.

### **UNIT 4: INDIAN SCIENCE & TECHNOLOGY**

**2 HOURS**

Indian S & T Heritage, Sixty-Four Art Forms and Occupational Skills (64 Kalas), Metals and Metalworking Technology (Copper, Gold, Zinc, Mercury, Lead, and Silver), Iron & Steel, Dyes and Painting Technology, Town & Planning Architecture in India, Temple Architecture, Vastu Śāstra.

### **UNIT 5: HUMANITIES & SOCIAL SCIENCE**

**2 HOURS**

Health, Wellness & Psychology, Ayurveda, Sleep and Food, Role of Water in Wellbeing, Yoga Way of Life, Indian Approach to Psychology, the Triguṇa System, Body-Mind-Intellect Consciousness Complex. Governance, Public Administration & Management, Reference to Ramayana, Artha Śāstra, Kauṭilyan State.

**TOTAL 12 HOURS**

#### **TEXT BOOKS:**

1. Kapur K and Singh A. K (Eds) (2005). *Indian Knowledge Systems*, Vol. 1. Indian Institute of Advanced Study, Shimla.
2. Nair, Shantha N. (2008) *Echoes of Ancient Indian Wisdom*. Hindology Books, New Delhi

#### **REFERENCE BOOKS:**

1. Reshmiramdhoni, (2018). *Ancient Indian Culture and Civilisation*, star publication
2. DK Chakkrabarty, Makkhan Lal, (2014) *History of Ancient India*, Aryan book International publication,
3. Dr. Girish Nath Jha, Dr. Umesh Kumar Singh and Diwakar Mishra, (2016). *Science and Technology in Ancient Indian Texts*, DK Print World limited,
4. Swami B B Vishnu, (2015). *Vedic Science and History Ancient Indian's Contribution to the Modern World*, Gosai publication.

## CO, PO, PSO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	P011	P012	P013	P014	P015	PSO1	PSO2
CO1	-	-	-	-	-	-	-	-	-	-	3	3	-	-	2	-	2
CO2	-	-	-	-	-	-	-	-	2	-	3	-	-	-	-	-	-
CO3	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	2
CO4	-	-	-	-	-	-	-	-	2	-	3	3	-	-	-	-	-
CO5	-	-	-	-	-	-	-	-	-	-	3	3	1	-	2	-	2
Average	-	-	-	-	-	-	-	-	2	-	3	3	1	-	2	-	2

**1 Low, 2 Medium, 3 High, ' ' No Correlation**

Instruction Hours/week: L:0 T:0 P:0

Marks: Internal:100 External: - Total:100

End Semester Exam: - Hours

**PREREQUISITE:**

- No PREREQUISITE required

**COURSE OBJECTIVES (CO):**

- Explore career alternatives prior to graduation & integrate theory and practice
- Assess interest and abilities in their field of study
- Develop work habits and attitudes necessary for job success
- Develop communication, interpersonal and other critical skills in the job interview process
- Build a record of work experience

**COURSE OUTCOMES (COS):**

Upon completion of this course, the students will be able to:

Cos	Course Outcomes	BloomsLevel
CO1	Explore career alternatives prior to graduation & integrate theory and practice	Understand
CO2	Assess interest and abilities in their field of study	Evaluate
CO3	Develop work habits and attitudes necessary for job success	Apply
CO4	Develop communication, interpersonal and other critical skills in the job interview process	Apply
CO5	Build a record of work experience	Create

**CO,PO,PSO Mapping**

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO 1	PSO 2
CO1	3	-	-	1	1	-	-	-	-	-	2	-	-	-	-	1	2
CO2	3	-	-	-	-	-	-	-	-	-	2	-	-	-	-	1	2
CO3	3	-	-	-	-	-	-	-	-	-	2	-	3	-	-	1	2
CO4	3	2	2	-	-	-	2	-	-	-	2	2	-	-	-	1	2
CO5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2
Average	3	2	2	1	1	-	2	-	-	-	2	2	3	-	-	1	2

1 Low, 2 Medium, 3 High, ' ' No Correlation

**பாடத்திட்டப்பொதுநோக்கம்**

- தமிழ்மொழியின்சிறப்புகளைஅறியச்செய்தல்.
- முச்சங்கங்கள்சங்ககாலஇலக்கணநூல்கள்பற்றித்தெரிந்துகொள்ளுதல்.
- பல்வேறுசமயம்சார்ந்தஇலக்கியங்களைஒப்பீடுசெய்தல்,தொன்மஇலக்கியங்களைஅறியச்செய்தல்

**பாடத்திட்டப்பயன்விளைவு**

- சங்கஇலக்கியமேன்மைகள் திணைக்கோட்பாடுகள்அறிவுபெற்றிருத்தல்.
- வேற்றுமொழிப்படையெடுப்புகளுக்குஈடுகொடுத்துநிற்கும் திறன்குறித்துஅறிதல்.
- ஐம்பெருங்காப்பியங்கள்ஐஞ்சிறுகாப்பியங்களின்சிறப்பைஉணர்தல்.
- பிறஅறநூல்களின்கருத்துக்களைத்தெரிந்துகொள்ளுதல்.
- செம்மொழியின் சிறப்பையும், தொன்மையையும் அறிதல்.

**அலகு:1 சங்கஇலக்கியம்****(10மணிநேரம்)**

தமிழ்இலக்கியவரிசை அறிமுகம் முச்சங்கவரலாறு  
பாட்டும்தொகையுமாகியசங்கஇலக்கியத்தொகுப்பு அறிமுகம்  
எட்டுத்தொகையில்அகத்திணை புறத்திணை  
பத்துப்பாட்டில்அமைந்தஆற்றுப்படைஇலக்கியங்கள்  
பத்துப்பாட்டில்அகமும்புறமும் புலவர்களும்பாடல்களும்  
பெண்பாற்புலவர்கள்.

**அலகு: 2 அறஇலக்கியமும்காப்பியமும்****(10மணிநேரம்)**

திருக்குறள் அமைப்பு இலக்கியச்சிறப்பு உலகப்பொதுமைத்தன்மை  
பொருட்சிறப்பு இலக்கியச்சிறப்பு  
நாலடியார்முதலாககுமரகுருபரரின்நீதிநெறிவிளக்கம்ஈறாகஅமைந்தநீதி  
இலக்கியங்கள் நீதிநூல்களில்அகமும்புறமும்  
தமிழ்இலக்கியவரிசையில்ஐம்பெருங்காப்பியங்களும்,  
ஐஞ்சிறுகாப்பியங்களும் சிலம்பும்மணிமேகலையும் –  
இரட்டைக்காப்பியங்கள் கம்பராமாயணம் பெரியபுராணம்  
சீராப்புராணம் தேம்பாவணி இராவணகாவியம்.

**அலகு:3 திருமுறைகளும்திவ்யப்பிரபந்தமும் (10மணிநேரம்)**

தமிழகத்தில்பக்திஇயக்கத்தின்தோற்றமும்வளர்ச்சியும்  
பன்னிருதிருமுறைகளும், பதிநான்குசித்தாந்தசாத்திரங்களும்  
திவ்யப்பிரபந்தமும்,

இராமானுஜநூற்றந்தாதிமுதலானவைவணவிலக்கியங்களும்.

**அலகு: 4 சிற்றிலக்கியங்களும்இக்காலஇலக்கியங்களும்(10 மணிநேரம்)**

குற்றாலக்குறவஞ்சி, முக்கூடற்பள்ளு,  
மதுரைமீனாட்சியம்மைபிள்ளைத்தமிழ்,  
மதுரைசொக்கநாதர்தமிழ்விடுதாது,  
அழகர்கிள்ளைவிடுதாதுமுதலானசிற்றிலக்கியவரிசை  
தமிழில்புதுக்கவிதைஇயக்கங்களின்தோற்றமும்வளர்ச்சியும்  
தமிழ்ப்புதுக்கவிதைவடிவங்கள் தமிழின்நாடகஇலக்கியங்கள்  
மனோண்மணீயம் - தமிழின்உரைநடைஇலக்கியவளர்ச்சி  
தமிழின்பம்முதலானஉரைநடைநூல்கள்  
தமிழில்சிறுகதைஇலக்கியவளர்ச்சி  
இருபதாம்நூற்றாண்டுச்சிறுகதைகள் தமிழில்புதினஇலக்கியங்கள்  
இக்காலஇலக்கியங்களில்காலந்தோறும்தனிமனிதப்பதிவுகளும்,  
சமுதாயப்பதிவுகளும்.

**அலகு: 5 தமிழின்ஐந்திலக்கணம் (8 மணிநேரம்)**

தமிழின்எழுத்து சொல் பொருள் யாப்பு  
அணிகள்என்றமைந்ததமிழின்ஐந்திலக்கணக்கொள்கைகள் நன்னூல்  
தொல்காப்பியம் யாப்பருங்கலக்காரிகை புறப்பொருள்வெண்பாமாலை -  
நம்பிஅகப்பொருள்முதலானஇலக்கணநூல்சிந்தனைகள்.

**பாடநூல்:**

தமிழ்இலக்கியவரலாறு மொழிகள்துறை தமிழ்ப்பிரிவு,  
கற்பகம்உயர்கல்விக்கழகம், கோயம்புத்தூர் 21. முதல்பதிப்பு பிப்ரவரி -  
2023.

**மொத்தமணிநேரம் 48**

**பார்வைநூல்கள்:**

1. தமிழ்இலக்கியவரலாறு - தமிழண்ணல், மீனாட்சிபுத்தகநிலையம்  
மதுரை.
2. தமிழ்இலக்கியவரலாறு - வேங்கடராமன்.கா.கோ.  
கலையகம்பதிப்பகம், நாமக்கல்.
3. புதியநோக்கில்தமிழ்இலக்கியவரலாறு சுந்தரமூர்த்தி.செ,  
அவ்வைபதிப்பகம், திருவாரூர்.
4. தற்காலத்தமிழ்இலக்கியவரலாறு கவிஞர்திலகம்மாமூர்புகழேந்தி,  
நிலாப்பதிப்பகம், 63,பாரதிதாசன் நகர், இராமநாதபுரம், கோவை -  
641045.

**இணையதளம்**

1. [www.tvu.org.in](http://www.tvu.org.in)
2. [www.maduraitamilproject.com](http://www.maduraitamilproject.com)



## இதழ்கள்

1. International Research Journal of Indian Literature, irjil.in
2. International Tamil Research Journal, iorpress.in

## CO, PO, PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	3	2	3	--	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	3	2.6	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-

1 Low, 2 Medium, 3 High, '-' No Correlation

Instruction Hours/week: L:4 T:0 P:0

Marks: Internal:40 External: 60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

- Not Required

**COURSE OBJECTIVES(CO):**

- Develop an interest in the appreciation of short stories
- Comprehend the grammatical structures and sentence making
- Understand the language and developing English to Hindi translation skill

**COURSE OUTCOMES(COs):**

- Learning the literacy knowledge of Hindi specially reading and writing .
- Learning the literary knowledge specially reading and understanding of Hindi short Stories
- Learning the history of Hindi literature.
- The ability to translate from Hindi to English and from English to Hindi will be improved.
- Develop a skill in spoken Hindi.

**UNIT-I** a) Poetry – Lakshmanan ke Bare Me

b) Bharath ka Bhagya

c) Essay – Dhokha

d) Translation – Lesson – 1 to 3

**10 HOURS****UNIT-II** a) Poetry – Soorpanakha Ki Visheshatha

b) Bahu Ki Vida

c) Essay – Jabaan

d) Translation– Lesson – 4 to 6

**10 HOURS****UNIT-III** a) Poetry– Kavya Ke AdharPar

b) Reed Ki Haddi

c) Essay – Kya Janvar Bhee Sochthi Hai

d) translation– Lesson – 7 to 9

**10 HOURS****UNIT-IV** a) Khanda Kavya Ke Adhar Par Panchavati

b) Rajputni Ka Badhala

c) Essay – Shradha-Bhakthi

d) Translation– Lesson – 10 to 12

**9 HOURS****UNIT-V** a) Kavya Ke Adhar Par Prakruthik Varnan

b) Bheem Aur Raakshas

- c) Essay – Adhunik Nari  
d) Translation – Lesson –13 to 15

**9 HOURS**  
**TOTAL 48 HOURS**

**REFERENCE BOOKS:**

1.Poetry : Panchavati

Writer : Mythili Sharan Guptha

Publisher : Bharathiya Sahithya Sangrah

Kanpur – 208002, Uttar Pradesh

2.One Act Play : Adarsh Akanki

Publisher : D.B.Hindi Prachar Sabha

T. Nagar, Chennai – 600017, Tamil Nadu

3.Essay : Nibandh Nishchay

Editor : Dr.Sharadh Ranjan

Publisher : Hindi Sahithya Sammelan Prayag

12.Sammelan Marg, Illahabadh

4.Translation : Anuvadh Abhyas – III

Publisher : D.B.Hindi Prachar Sabha

T.Nagar, Chennai – 600017, Tamil Nadu

**CO, PO, PSO Mapping**

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	3	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Average</b>	<b>3</b>	<b>2.6</b>	<b>2.6</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

Instruction Hours/week: L:4 T:0 P:0

Marks: Internal:40 External: 60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

Not Required

**COURSE OBJECTIVE (CO):**

- Knowledge of contemporary drama contents of Malayalam literature
- Learn Screen play and its techniques. The ability to read drama and express criticism about it and the ability to express social thoughts will improve
- There will also be litigation messages in Malayalam and news on speech techniques

**COURSE OUTCOME (COs):**

- Get a basic knowledge of drama
- Can read and critique Screenplay
- Create interest in art literature courses
- The hope of writing a Drama or a Screen Play
- The idea of creating new works and critique knowledge will improve.

Unit No.	PART I – MALAYALAM IV	Hours
I	Screen Play - Perumthachan	10
II	Screenplay - Perumthachan	10
III	Drama - Saketham	10
IV	Drama - Saketham	09
V	Drama - Saaketham	09
	<b>TOTAL</b>	<b>48</b>

**TEXT BOOKS:**

1. Perumthachan – M.T.VasudevanNair,DC Books
2. Saketham – C.N.SreekandanNair,DC Books

**REFERENCE BOOKS:**

1. MalayalaNatakaSahithyaCharithram. G Sankara Pillai (Kerala SahithyaAkademi, Trissur)
2. Malayala Nataka Sahithya Charithram, Vayala Vasudevan Pillai (Kerala Sahithya Akademi Thrissur).
3. Natakam- OruPatanam (C.J. SmarakaPrasanga Samithi, Koothattukulam)  
Nataroopacharcha, Kattumadam Narayanan (NBS, Kottayam)
4. Chalachithrasameeksha–Vijayakrishanan.
5. Cinemayude Paadangal-VisakalanavumVeekshanavum – Jose-K.Manual.

### CO, PO, PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	3	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-

1 - Low, 2 - Medium, 3 - High, '-' - No Correlation

**PREREQUISITE:**

Not required

**COURSE OBJECTIVES(CO):**

- The fundamental objective of the curriculum is to impart effective science education at the undergraduate level, exposing them to recent trends and developments in the subject.
- Creating scientific temper is another major objective of this curriculum.
- Another major thrust given here is to develop an environmental concern in all activities of the students. 'Go green', the motto of the syllabus emphasizes the urgent need to conserve nature without destruction of natural resources.

**COURSE OUTCOMES(COs) :**

- **Critical Thinking** :Take informed actions after identifying the assumptions that frame students' thinking and actions.
- **Problem Solving**: Understand and solve problems of relevance to society to meet the specified needs using the knowledge, skills and attitudes acquired.
- **Effective Communication**: Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.
- **Effective Citizenship**: Demonstrate empathetic social concern and equity centered national development.
- **Environment and Sustainability**: Understand the issues of environmental contexts and sustainable development.

**UNIT I**

Introduction to Sanskrit Lyrics and erotic literature.

**10 HOURS****UNIT II**

Devotional Literature, Important works

**10 HOURS****UNIT III**

Krishnakarnamrita of Leelasuka (Second Section only)

**10 HOURS**

**UNIT IV**

Grammar – Past tense, Declension of personal pronouns

**9 HOURS****UNIT V**

Simple sentences from Sanskrit Self Teacher

**9 HOURS****TOTAL 48 HOURS****TEXT BOOK:**

1. Krishnakarnamrita of LeelasukaSri Ramakrishna Mud Mylapore, Chennai.

**CO, PO, PSO Mapping**

CO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PO 15	PSO 1	PSO 2
CO1	2	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	3	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	2	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	3	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	3	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Average</b>	<b>2.6</b>	<b>2.6</b>	<b>2.8</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**1 - Low, 2 - Medium, 3 - High, '-' - No Correlation**

**PREREQUISITE:**

- Not Required

**COURSE OBJECTIVES (CO):**

- Provide the students with an ability to build and enrich their communication skills.
- Help them think and write imaginatively and critically.
- Strengthen their professional skills.

**COURSE OUTCOMES (COS):**

Upon completion of this course, the students will be able to:

COs	Course Outcomes	Blooms Level
CO1	Make the students proficient communicators in French.	Apply
CO2	Develop learners' ability to understand French.	Understand
CO3	Understand the nuances of listening, speaking and reading French.	Understand
CO4	Prepare the learners to face situations with confidence and to seek employment in the modern globalized world.	Apply
CO5	Build the students' ability to listen and to speak French better.	Apply

<b>Unite – I</b>	a) Leçon	–	On fait le ménage !	<b>10 HOURS</b>
	b) Communication	-	Protester et réagir	
	c) Grammaire	-	Le présent progressif, Les pronoms possessifs La phrase négative (3)	
	d) Lexique	–•	Le logement, La maison, Les pièces	
	e) Culture	–	Paris et ses symboles	
<b>Unite – II</b>	a) Leçon	–	À propos de logement	<b>10 HOURS</b>
	b) Communication	-	Exprimer l'intérêt et l'indifférence	
	c) Grammaire	-	Quelques adjectifs et pronoms indéfinis Les verbes lire, rompre et se plaindre	
	d) Lexique	–	Meubles et équipement, Les tâches ménagères	
<b>Unite – III</b>	e) Culture	-	Les fêtes et les traditions en France	<b>10 HOURS</b>
	a) Leçon	–	Tous en forme ! Accidents et catastrophes	
	b) Communication	-	Raconter au passé	
	c) Grammaire	-	Le passé composé et l'imparfait Le passé récent, L'expression de la durée,	



	d) Lexique	–	Le corps humain : l'extérieur, Le corps humain : l'intérieur Les maladies et les remèdes	
	e) Culture	-	La longue histoire de la Francophonie	<b>10 HOURS</b>
<b>Unite – IV</b>	a) Leçon	–	Faire ses études à l'étranger	
	b) Communication	-•	Exprimer la peur et rassurer	
	c) Grammaire	-	Les adjectifs et les pronoms ,indéfinis : rien, personne, aucun Les verbes dire, courir et mourir	
	d) Lexique	–	Les accidents, Les catastrophes naturelles	
	e) Culture	-	Les jeux de la Francophonie .	<b>9 HOURS</b>
<b>Unite – V</b>	a) Leçon	–	Bon voyage ! La météo	
	b) Communication	-	Exprimer son opinion, Parler de la météo	
	c) Grammaire	-•	Les pronoms démonstratifs neutres Le futur simple, Situer dans le temps	
	d) Lexique	–	Le système scolaire, Les formalités pour partir à l'étranger • La météo	
	e) Culture-		Le français hors de France	<b>9 HOURS</b>
				<b>TOTAL 48 HOURS</b>

#### REFERENCE BOOKS:

- Cocton Marie –Noëlle , Duplex Dorothée, Heu Elodie , Kasazian Emilie, Ripaud Delphine, **Saison 1- Méthode de français**, Didier, paris.2015.
- Cocton Marie – Noëlle, Duplex, Heu Elodie, Kasazian Emilie ,Ripaud Delphine, **Saison 1 – Cahier d'activités** , Dider ,Paris , 2015
- Anne Akyüz, Bernadette Bazelle- Shahmael, Joëlle Bonenfant, Marie- Françoise Gliemenn, **Les exercices de grammaire, Hachette FLE**, Paris, 2005
- Christian Beaulieu, **Je pratique, Exercices de grammaire A1**, Dider, Paris, 2015
- Nathalie BIE, philippe SANTINAN, **Grammaire pour adolescents-250 exercices, CLE International , Paris , 2005**

#### WEBSITES :

- <http://enseigner.tv5monde.com/>
- [bonjourdu monde.com /exercices/contenu/le – francais-du- tourisme.html](http://bonjourdu monde.com/exercices/contenu/le-francais-du-tourisme.html)
- <http://www.bonjurdefrance.com/>
- <https://www.lepointdufle.net/>

**CO, PO, PSO Mapping**

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Ave rage</b>	<b>3</b>	<b>3</b>	-	<b>2</b>	-	-	-	-	-	-	-	-	-	-	-	-	-

**1 - Low, 2 - Medium, 3 - High, '-' - No Correlation**

Instruction Hours/week: L:3 T:0 P:0

Marks: Internal:40 External: 60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

- Basic understanding of communication principles and writing skills.

**COURSE OBJECTIVES (CO):**

- Provide students with the ability to build and enrich their communication skills, and to improve their communicative ability.
- Help them think and write creatively and critically, and to expose them to various spoken skills.
- Strengthen their professional skills to achieve economically.

**COURSE OUTCOMES (COS):**

Upon completion of this course, the students will be able to:

Cos	Course Outcomes	Blooms Level
CO1	Make the students proficient communicators in English.	Apply
CO2	Develop learners' ability to understand English in a wide range of contexts.	Understand
CO3	Understand the nuances of listening, speaking, and reading English.	Understand
CO4	Prepare the learner to seek employment in the world to get decent work and to attain economic growth.	Apply
CO5	Build the students' ability to listen and speak English better.	Apply

**UNIT I****6 HOURS**

Concept of Communication Barriers to Communication Body Language Personality  
Development Etiquette and Manners Soft Skills

**UNIT II****6 HOURS**

Listening Comprehension Reading Comprehension Paragraph Writing Precis Writing  
Collocation

**UNIT III****6 HOURS**

Writing Writing Resume and Covering Letter Types of Letter Writing Writing MoU Dicto

Composition Term Paper Book Reviews

**UNIT IV**

**6 HOURS**

Speaking Interview Skills Preparing Welcome address and Vote of Thanks Compering

**UNIT V**

**6 HOURS**

Punctuation Marks Figures of Speech

**TOTAL 30 HOURS**

**TEXT BOOKS:**

1. Oxford Handbook of Writing:St Martins Hand book of Writing 2013 Cambridge University Press Wren & Martin, 2008, *High School English Grammar & Composition*, SChand& Company Ltd, Board of Editors,
2. Krashen,StephenD(1982)Principles and practice in second language acquisition NewYork: Pergamon Press

**WEBSITES:**

1. Gettalaktive.com
2. [www.courseera.org](http://www.courseera.org)
3. [www.udemy.com](http://www.udemy.com)

**CO,PO,PSO Mapping**

Cos	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PO 15	PS O1	PS O2
CO1	-	3	-	-	-	-	-	-	-	1	-	-	-	-	-	1	2
CO2	-	3	-	-	-	-	-	-	-	-	-	1	-	-	-	1	2
CO3	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2
CO4	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	1	2
CO5	-	3	-	-	-	-	-	1	-	-	-	-	-	-	-	1	2
Average	1	3	1	-	-	-	-	1	-	1	-	1	-	-	1	1	2

**3 Strong;2 Medium;1 Low, “-“ No correlation**

Instruction Hours/week: L:5 T:1 P:0

Marks: Internal:40 External: 60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

- Basic knowledge of accounting principles and financial management.

**COURSE OBJECTIVES(CO):**

- Understand cost concepts, types of costing methods, and bookkeeping for cost accounting, and to learn tools and techniques to calculate cost and solve problems.
- Select and critically apply the best methods of costing based on the situation.
- Communicate cost accounting concepts, methods, and bookkeeping procedures both orally and in writing, and to prepare a Reconciliation Statement of Cost and Financial Accounts.

**COURSE OUTCOMES(COS):**

Upon completion of this course, the students will be able to:

<b>Cos</b>	<b>Course Outcomes</b>	<b>Blooms Level</b>
CO1	Understand the cost concepts, types of costing methods and book keeping for cost accounting	Understand
CO2	Apply tools and techniques to solve the problems	Apply
CO3	Select the best methods of costing by critically analyzing and apply the same to appropriate situation	Analyze
CO4	Communicate orally and in written the cost concepts	Understand
CO5	Prepare a Reconciliation Statement of Cost and Financial Accounts	Evaluate

**UNIT I: INTRODUCTION****14 HOURS**

Meaning, Objectives and Advantages of Cost Accounting Difference between Cost Accounting and Financial Accounting Cost Concepts and Classifications Elements of Cost Installation of a Costing System Role of a Cost Accountant in an Organization Preparation of Cost sheet

**UNIT II: ELEMENTS OF COST: MATERIAL AND LABOR****14 HOURS**

Materials: Material/inventory control techniques Accounting and Control of Purchases storage and issue of materials Methods of Pricing of materials issues FIFO, LIFO, Simple Average, Weighted Average, Replacement, Standard Cost Treatment of Material Losses Labour: Accounting and Control of labour cost Methods of wage payment and the Incentive schemes Halsey, Rowan, Taylor's Differential piece wage

**UNIT III: ELEMENTS OF COST: OVERHEADS****15 HOURS**

Classification – Allocation Apportionment and Absorption of Overheads – Under and Over absorption  
Capacity Levels and Costs Treatments of certain items in costing like Interest on Capital Packing  
Expenses Bad debts Research and Development Expenses Activity Based Cost Allocation

**UNIT IV: METHODS OF COSTING****15 HOURS**

Job costing Contract costing Process Costing (Process Losses, Valuation of Work in Progress, Joint and  
By Products), Service Costing (Only Transport)

**UNIT V: BOOK KEEPING IN COST ACCOUNTING****15 HOURS**

Integral and Non Integral Systems Reconciliation of Cost and Financial Accounts Meaning – Need  
– Reasons for Differences in Profit Problems in Preparations of Reconciliation Statement – Cost Audit

**TOTAL 72 HOURS**

**Note:** Distribution of marks 20% theory and 80% problems

**TEXT BOOKS:**

1. M N Arora & Priyanka Katyal (2017), Cost Accounting, Vikas Publishing, New Delhi
2. Minaxi Rachchh & Gunvantrai Rachchh (2015), Cost Accounting Methods and Techniques, Vikas Publishing, New Delhi
3. CA Sachin Gupta (2020), Cost and Management Accounting, Taxmann Publication Pvt Limited, Chennai
4. Charles T Horngren, Srikant M Datar, Madhav VRajan (2014), Cost Accounting – A Managerial Emphasis, 15<sup>th</sup> Edition, Pearson Education, New Delhi

**REFERENCE BOOKS:**

1. SP Jain and KL Narang, Simmi Agrawal, (2016), Cost Accounting Principles and Practice, 25<sup>th</sup> Edition, Kalyani Publishers, New Delhi
2. MN Arora, (2013) Cost Accounting – Principles and Practice, 12<sup>th</sup> Edition, Vikas Publishing, New Delhi

**WEBSITE:**

1. [https://swayamgovin/nd1\\_noc20\\_mg53/preview](https://swayamgovin/nd1_noc20_mg53/preview)

## CO, PO, PSO Mapping

COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PO 15	PS O1	PS O2
CO1	3	-	3	-	-	-	-	-	-	-	1	-	2	-	3	1	2
CO2	3	-	3	3	-	-	-	-	-	3	-	-	-	-	3	1	2
CO3	3	-	3	3	2	-	-	-	-	3	-	-	2	-	3	1	2
CO4	3	-	3	3	2	-	-	-	-	3	-	-	-	-	3	1	2
CO5	3	-	3	3	2	-	-	-	-	3	-	-	2	-	3	2	1
Average	3	-	3	3	2	-	-	-	-	3	1	-	2	-	3	1.2	1.8

**3: Strong; 2: Medium; 1: Low, “-“ No Correlation**

Instruction Hours/week: L:4 T:0 P:0

Marks: Internal:40 External: 60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

- Basic understanding of finance and investment principles.

**COURSE OBJECTIVES(CO):**

- Have a practical orientation towards the principles of investment, pricing, and valuation, and to learn the basics of portfolio management.
- Understand and analyze various methodologies of financial analysis, and to value and forecast securities performance using different models.
- Understand the basics of industry analysis, and to exhibit the capacity to construct and arrive at optimal portfolios.

**COURSE OUTCOMES(COS):**

Upon completion of this course, the students will be able to:

<b>Cos</b>	<b>Course Outcomes</b>	<b>Blooms Level</b>
CO1	Learn basics of investment decision	Understand
CO2	Understand the market efficiency	Understand
CO3	Analyze and apply models to securities performance and forecasting	Analyze
CO4	Understand the valuation methods	Understand
CO5	Construct optimal portfolios and evaluate them using models	Create

**UNIT I: INVESTMENT DECISION****9 HOURS**

Objectives of Investment Decisions Introduction; Types of Investors; Constraints; Goals of Investors Primary and Secondary Markets; Trading in Secondary Markets Money Market; Repos and Reverse Repos; Bond Market; Common Stocks Fixed Income Securities

**UNIT II: CAPITAL MARKET EFFICIENCY****9 HOURS**

Introduction; Market Efficiency; Departures from the EMH Analysis of Financial Statements; Financial Ratios (Return, Operating and Profitability Ratios); Valuation of Common Stocks; Technical Analysis"

**UNIT III: MODERN PORTFOLIO THEORY****10 HOURS**

Introduction; Diversification and Portfolio Risks; Equilibrium Models the CAPM Multifactor Models; The Arbitrage Pricing Theory



**UNIT IV: VALUATION OF DERIVATIVES****10 HOURS**

Introduction; Forwards and Futures; Call and Put Pricing; Black Scholes Formula

**UNIT V: INVESTMENT MANAGEMENT****10 HOURS**

Introduction; Investment Companies; Active vs Passive Portfolio Management; Cost of Management – Entry/Exit Loads Fees; Net Asset Value; Classification of Funds; Other investment companies; Performance assessment of managed funds

**TOTAL 48 HOURS****REFERENCE BOOKS:**

1. NSE Academy, NCFM – Investment Analysis and Portfolio Management Module, Mumbai
2. Investment Analysis and Portfolio Management, by Prasanna Chandra, McGraw Hill Education; Fifth edition
3. Investment Management: Security Analysis and Portfolio Management, by Bhalla VK, S Chand & Company

**WEBSITES:**

1. [www.nseindia.com](http://www.nseindia.com)
2. [www.investopedia.com](http://www.investopedia.com)

**CO, PO, PSO Mapping**

Cos	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PO 15	PS O1	PS O2
CO1	3	-	-	-	2	-	-	-	-	-	-	-	-	-	-	1	2
CO2	3	-	1	-		-	-	-	-	-	-	-	-	-	-	1	2
CO3	3	-	-	-	2	-	-	-	-	-	2	-	-	-	-	1	2
CO4	3	-	-	-		-	-	-	-	-	2	-	-	-	2	1	2
CO5	3	-	-	-	2	-	-	-	-	-	2	-	-	-	2	1	2
Average	3	-	1	-	2	-	-	-	-	-	2	-	-	-	2	1	2

**Strong 3; Medium 2; Low 1, No correlation:” -“**

Instruction Hours/week: L:5 T:0 P:0

Marks: Internal:40 External: 60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

Basic knowledge of finance and accounting principles.

**COURSE OBJECTIVES(CO):**

- Understand the overview of the investment company industry and apply funding strategies applicable to investment companies.
- Analyze and interpret financial statements and operations of investment companies.
- Evaluate the results of tools applied in investment companies and create quality reports on financial statements.

**COURSE OUTCOMES (COS):**

Upon completion of this course, the students will be able to:

Cos	Course Outcomes	BloomsLevel
CO1	Understand Over view of Investment Company Industry	Understand
CO2	Analyze and interpret the financial statements Operations	Analyze
CO3	Evaluate The results of tools applied and interpret the result	Evaluate
CO4	Apply the funding strategies applicable to Investment Companies	Apply
CO5	Creation of quality report of financial statement	Create

**UNIT I: OVERVIEW OF INVESTMENT COMPANY INDUSTRY 12 HOURS**

Introduction: Meaning, Definition and Classification Types of Investment Company Fair Value ASC 820 Organization Providing Services to Investment: The Investment Adviser The Distributor The Custodian The Transfer Agent The Administrator Regulations Financial Reportingto shareholders Accounting Rules and Policies Effective Date of Transaction

**UNIT II: INVESTMENT COMPANIES AND FUND 12 HOURS**

Investment companies and Fund – Overview: Fund Administration Hedge Fund – Defining the Hedge Fund Types of Hedge Fund Private EquityFunds Venture capital fund Domestic and offshore Hedge fund – Hedge fund strategy–Size of the Hedge fund market–Reasons for Rapid Growth of Hedge fund industry – Market benefits of Hedge fund industry – Hedge fund in Different Jurisdictions: United States of America

### **UNIT III: INVESTMENT ACCOUNTS AND FINANCIAL INSTRUMENTS**

**12 HOURS**

Investment Objectives and Policies Operations and Controls Accounting: Net Assets value per share Basis of recording securities transactions Valuing Investments Valuation Techniques: The Present Value Techniques The fair value Hierarchy Money Market Funds Accounting for foreign investments - Financial Instruments: Money Market Instruments Repurchase Agreement US Government Securities: Treasury Bills Notes and Bonds Securities: Mortgage Backed Securities High Yield Securities

### **UNIT IV: CAPITAL ACCOUNTS**

**12 HOURS**

Introduction Operations and Controls Accounting for Capital Structure Transactions and Distributions Auditing Procedures Complex Capital Structure: Operational and Accounting Issue Financial Statement Preparation Audit Consideration Methods of Allocating Income, Fund Level Expenses and Realized and Unrealized Gains/Losses Methods of Computing Income Distributions per shares Taxes: Introduction Taxation of Regulated Investment Companies

### **UNIT V**

**12 HOURS**

**Financial Statement of Investment Companies** Financial Statement Introduction Comparative Financial Statement Schedule of Investments Statement of Operations Financial reporting Common fund Categories: Legal Structure and Investment types Income statement Integrated reporting – equity transactions Income measurement Fund GAV and NAV, IRR Capital subscription, distribution, commitments Distribution of waterfall and Management fees Financial statements for funds / investment companies SAL, SOP, SOC, SCF, SOI, FiHi

#### **TEXT BOOKS:**

1. Deepa Agarwal(2017),Financial Reporting and Auditors Responsibility, 2nd edition, Bloomsbury Professional India, New Delhi
2. MS Narasimhan (2016), Financial Statement Analysis, 1st Edition, Cengage Learning India Private Limited, New Delhi

#### **REFERENCE BOOKS:**

1. Sanjay Dhamija, —Financial Reporting and Analysis, SULTAN CHAND & SONS Educational Publishers New Delhi, First Edition: 2020
2. Deepa Agarwal (2018), The Law & Practice of Financial Reporting and Auditor's Responsibilities under Companies Act, 2013, 1st edition, Bloomsbury Professional India, New Delhi

#### **WEBSITES:**

1. [www.nfra.gov.in](http://www.nfra.gov.in)
2. [www.ifrs.org](http://www.ifrs.org)

## CO, PO, PSO Mapping

Cos	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PO1 5	PS O1	PSO 2
CO1	-	3	-	-	-	-	-	-	-	1	-	-	-	-	-	1	2
CO2	-	3	-	-	-	-	-	-	-	-	-	1	-	-	-	1	2
CO3	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2
CO4	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	1	2
CO5	-	3	-	-	-	-	-	1	-	-	-	-	-	-	-	1	2
Average	1	3	1	-	-	-	-	1	-	1		1	-	-	1	1	2

**Strong 3, Medium 2, Low 1, No Relation “-“**

**PREREQUISITES:**

- Basic knowledge of finance and technology concepts

**COURSE OBJECTIVES(CO):**

- L core Fintech concepts, including blockchain and data analytics, and understand recent developments in the financial technology space.
- Study various analytics tools used in the financial services industry and understand the appropriate regulatory and public policy responses to Fintech.
- Explore correspondent banking relationships related to Fintech and learn the basic applications of blockchain.

**COURSE OUTCOMES(COS):**

Upon completion of this course, the students will be able to:

Cos	Course Outcomes	Blooms Level
CO1	Understand the major Fintech applications	Understand
CO2	Understand global Fintech landscape and describe the role of banks and financial service providers in shaping and responding to innovation and disruption	Understand
CO3	Remember the basics of data analysis	Remember
CO4	Apply the concepts of block chain	Apply
CO5	Evaluate the applications of machine learning	Evaluate

**UNIT I: INTRODUCTION TO FINTECH****7 HOURS**

Overview of Fintech Disruptions in the area of Payments, Wealth Management, Investments, Lending, Reg Tech and Insurance Tech Fintech Hubs the History of Fintech Block chain, Wearable's and Other Emerging Technologies

**UNIT II: BLOCK CHAIN AND CRYPTO CURRENCY****7 HOURS**

History of Ledger and Accounting practices, Decentralized Ledger concepts and Business rules, Basics of block chain technology: Block chain Technology Stack Blocks Mining Consensus Distributed Databases Ethereum Smart Con Contracts Security Crypto Currency: Evolution of Crypto currencies A brief on ICO's Block chain Frameworks Block chain Implementation: Block chain as a Financial

System Block chain for Provenance Tracking Block chain for Inter organisational Record / Asset keeping Block chain for Multi party Aggregation

### **UNIT III: ANALYTICS**

**7 HOURS**

An Introduction to Data Analytics Role of Analytics in the Modern World Types of Analytics: Descriptive, Diagnostic, Predictive, Prescriptive Data Analytics and Ethical Issues, Basics of Statistical Analysis: Descriptive and Inferential Statistics Mean/Median/Mode Standard Deviation/Covariance/Correlation, Basics of Python for Data Analysis: Installation of Anaconda Data Types and Functions Data Manipulation and Preparation, Data Visualization in Python, Sentiment Analysis

### **UNIT IV: INTRODUCTION TO MACHINE LEARNING**

**7 HOURS**

An Introduction to Machine Learning Evolution of ML Trends in ML Application of Machine Learning Best Practices of Machine Learning Machine Learning in future Machine Learning Algorithms: Classification Regression Forecasting Clustering

### **UNIT V: NEURAL NETWORKS**

**8 HOURS**

Neural Networks: Perception Learning Back Propagation Learning Object Recognition, Deep Learning – Keras: Setting up KERAS Creating a Neural Network Training Models and Monitoring Artificial Neural Networks

**TOTAL 36 HOURS**

### **TEXT BOOKS:**

1. Parag Y Arjunwadkar (2018), FinTech: The Technology Driving Disruption in the Financial Services Industry, Auerbach Publications
2. Richard Hayen, FinTech: The Impact and Influence of Financial Technology on Banking and the Finance Industry, Create space Independent Pub

### **REFERENCE BOOKS:**

1. Sanjay Phadke (2020), Fintech Future: The Digital DNA of Finance, SAGE Publications
2. Seth Swanson, FinTech: For Beginners! Understanding & Utilizing The Power of Financial Technology, Createspace Independent Pub
3. Susanne Chishti and Janos Barberis (2016), The FINTECH Book: The Financial Technology Handbook for Investors, Entrepreneurs and Visionaries, Wiley

### **WEBSITES:**

1. [www.droptica.com](http://www.droptica.com)
2. [www.webflow.com](http://www.webflow.com)

### CO, PO, PSO Mapping

COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PO 15	PS O1	PS O2
CO1	3	-	-	-	-	-	-	-	-	-	-	3	-	-	-	1	2
CO2	3	-	-	-	2	-	-	-	-	-	-	3	-	-	2	1	2
CO3	3	-	-	-	-	-	-	-	1	-	1	3	-	-	2	1	2
CO4	3	-	-	-	2	-	-	-	-	-	-	3	-	-	-	1	2
CO5	3	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	2
Average	3	-	-	-	2	-	-	-	1	1	1	3	-	-	2	1	2

**3 Strong; 2 Medium; 1 Low, “-“ No Correlation**

**PREREQUISITE:**

- Basic knowledge of financial markets and trading principles

**COURSE OBJECTIVE(CO):**

- Understand the basics of technical analysis and learn various technical indicators used in trading.
- Grasp different trading strategies and the behavior associated with trading.
- Understand and apply risk management techniques used in trading.

**COURSE OUTCOMES(COS):**

Upon completion of this course, the students will be able to:

<b>Cos</b>	<b>Course Outcomes</b>	<b>Blooms Level</b>
CO1	Analyze Charts	Analyze
CO2	Study various patterns	Evaluate
CO3	Know various Indicators and Oscillators	Understand
CO4	Obtain knowledge related to various trading strategies and theories	Understand
CO5	Understand the importance of risk management	Understand

**EXERCISES**

- |                                   |                 |
|-----------------------------------|-----------------|
| 1. The charts                     | <b>6 HOURS</b>  |
| 2. Candlestick analysis           | <b>10 HOURS</b> |
| a. One candle pattern             |                 |
| b. Two candle patterns            |                 |
| c. Three candle patterns          |                 |
| 3. Pattern Study                  | <b>8 HOURS</b>  |
| a. Support and resistance lines   |                 |
| b. Head and shoulders,            |                 |
| c. Double top and double bottom   |                 |
| d. Gap theory                     |                 |
| 4. Major Indicators & Oscillators | <b>8 HOURS</b>  |



- a. Simple moving average
- b. Exponential moving average
- c. moving average price crossover
- d. multiple moving average
- e. Oscillators
  - i. Relative strength index
  - ii. Moving average, convergence/divergence(MACD),

5. Dow Theory

**8 HOURS**

6. Elliot Wave Theory

**8 HOURS**

**Lab:** Nsmart – trading simulation lab

**TEXT BOOKS:**

1. Robert D Edwards (2009), John Magee, Technical Analysis of Stock Trends, New Delhi: Vision Books
2. John J Murphy (1999), Study Guide to Technical Analysis of the Financial Markets, Chennai: Prentice Hall Press

**REFERENCE BOOKS:**

1. NCFM, NCFM Technical Analysis Module, Mumbai: NSE
2. CNBC (2013), *Technical Analysis Trading: Making Money with Charts*, CNBC
3. Thomas A Meyers (2017), *The Technical Analysis Course, Fourth Edition: Learn How to Forecast and Time the Market*, Bangalore: McGraw Hill Education

**CO, PO, PSO Mapping**

COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PO 15	PS O1	PS O2
CO1	3	-		-	2	-	-	-	-	-	-	-	-	-	-	1	2
CO2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2
CO3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	2
CO4	3	-	-	-	2	-	-	-	-	-	-	1	-	-	3	1	2
CO5	3	-	-	-	-	-	-	-	1	-	-	-	-	-	3	1	2
Average	3	-	-	-	2	-	-	-	1	-	-	1	-	-	3	1	2

**3 Strong; 2 Medium; 1 Low,” -“ No correlation**

Instruction Hours/week: L:1 T:0 P:0

Marks: Internal:40 External: 60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

- Not Required

**COURSE OBJECTIVES (CO):**

- Learn key concepts and algorithms in data encryption, and demonstrate the application of block encryption modes and hashing algorithms in real-life scenarios.
- Examine various cyber security threats and hacker techniques to evaluate risks and develop strategies for preventing unauthorized access.
- Understand universal human values and their role in promoting harmony and happiness in personal and interpersonal relationships, while assessing the connection between cyber security and personal values.

**COURSE OUTCOMES (COS):**

Upon completion of this course, the students will be able to:

COs	Course Outcomes	BloomsLevel
CO1	Describe key concepts and algorithms in data encryption, like DES and AES.	Remember
CO2	Use different block cipher modes and hash functions (e.g., MD5, SHA) in real scenarios for secure data.	Apply
CO3	Analyze cyber security threats and evaluate hacker techniques (like SQL injection), suggesting countermeasures.	Analyze
CO4	Combine human values with cyber security to promote personal and social harmony and happiness.	Create
CO5	Critically assess the state of cyber security and its connection to personal values and aspirations.	Evaluate

**UNIT I: INTRODUCTION TO SECURITY****2 HOURS**

Data Encryption Standard-Block cipher principles-block cipher modes of operation-Advanced Encryption Standard (AES)-Triple DES-Blowfish-RC5 algorithm.

**UNIT II: PUBLIC KEY CRYPTOGRAPHY AND HASH ALGORITHMS****2 HOURS**

Principles of public key cryptosystems-The RSA algorithm-Key management - Diffie Hellman Key exchange- Hash Functions-Hash Algorithms (MD5, Secure Hash Algorithm)

**UNIT III: FUNDAMENTALS OF CYBER SECURITY****2 HOURS**

How Hackers Cover Their Tracks- Fraud Techniques- Threat Infrastructure- Techniques to Gain a Foothold (Shellcode, SQL Injection, Malicious PDF Files)- Misdirection, Reconnaissance, and Disruption Methods.

**UNIT IV: INTRODUCTION OF UNIVERSAL HUMAN VALUES****3 HOURS**

Purpose and motivation for the course, recapitulation from universal human values I. Self-exploration-what is it? – its content and process; ‘Natural Acceptance’ and Experiential Validation-as a process for self-exploration. Continuous Happiness and prosperity. A look at basic human Aspiration. Right understanding, Relationship and physical Facilities-the basic requirements for fulfillment of aspirations of every human being with their correct priority. Understanding Happiness and prosperity correctly- A critical appraisal of the current scenario. Method of fulfill the above human aspirations: understanding and living in harmony at various levels.

**UNIT V: UNDERSTANDING HARMONY IN THE HUMAN BEING - HARMONY IN MYSELF****3 HOURS**

Understanding human being as a co-existence of the sentiment ‘I’ and the material ‘Body’. Understanding the needs of self (‘I’) and ‘Body’ – sukh and Suvidha. Understanding the body as an instrument of ‘I’ (I being the doer, seer and enjoyer). Understanding the characteristics and activities of ‘I’ and harmony in ‘I’. Understanding the harmony of I with the Body: Sanyam and helth; correct appraisal of physical needs, meaning of prosperity in detail. Programs to ensure Sanyam and health.

**TOTAL 12 HOURS****TEXT BOOKS:**

1. Gaur,R.R, Sangal,R and Bagaria,G.P,(2010). A foundation course in Human Values and professional Ethics, Excel books, New Delhi.
2. Schumacher. E.F, Small is Beautiful: Economics as If People Mattered,Perennial Library.
3. Cecile Andrews, (2006). Slow is Beautiful, New Society Publishers.

**REFERENCE BOOKS:**

1. Joseph Cornelius Kumaruppa,(Digitized 30 Oct 2019). The Economy of Permanence.
2. Mahatma Gandhi, (1983). The Story of My Experiments with Truth.
3. Maulana Abul Kalam Azad, (2017). India Wins Freedom, Create Space Independent Publishing Platform.
4. Romain Rolland, (1952). The Life of Vivekananda and the Universal Gospel, Advaita ashrama.
5. Charles P. Pfleeger Shari Lawrence Pfleeger Jonathan Margulies, Security in Computing, 5th Edition, Pearson Education, 2015
4. William Stallings, “Cryptography and Network Security”, Pearson Education, 6th Edition,2013.

**WEBSITES:**

1. <http://www.arvindguptatoys.com/arvindgupta/gandhiexperiments.pdf>
2. <http://www.sanipanhwar.com/India%20Wins%20Freedom%20%20Maulana%20Abul%20Kalam%20Azad>
3. <https://estudentedavedanta.net/The-Life-Of-Vivekananda-And-The-Universal-Gospel.pdf>
4. Web resources from NDL Library,
5. E-content from open-source libraries

**CO, PO, PSO Mapping**

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO 9	PO10	PO11	PO12	PO13	PO14	PO15	PSO1	PSO2
CO1	1	-	2	1	-	-	-	-	-	-	-	3	-	-	2	-	-
CO2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3	2
CO3	1	-	-	-	2	-	-	-	-	-	-	-	-	-	2	-	-
CO4	1	-	-	-	-	-	3	-	-	-	-	-	-	-	3	-	1
CO5	1	-	-	3	-	-	-	-	-	-	-	-	-	-	3	2	1
Average	1	-	2	2	2		3	-	-	-	-	-	-	-	3	2.5	1.3

1 - Low, 2 - Medium, 3 - High, '-' No Correlation

Instruction Hours/week: L:6 T:0 P:0

Marks: Internal:40 External: 60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

- Basic knowledge of financial accounting and cost accounting principles

**COURSE OBJECTIVES(CO):**

- Understand the functions and objectives of management accounting, and to impart the rules for financial statement analysis.
- Learn the procedure for calculating standard costing and variance analysis, and to compute problems on marginal costing and budgeting.
- Examine and analyze the financial statements of a company.

**COURSE OUTCOMES(COS):**

Upon completion of this course, the students will be able to:

Cos	Course Outcomes	Blooms Level
CO1	Understand the functions and objectives of management accounting	Understand
CO2	Impart the rules for computation of financial statement analysis	Understand
CO3	Inculcate the procedure for calculating standard costing and variance analysis	Evaluate
CO4	Compute problems on marginal costing& budgeting	Evaluate
CO5	Examine and analysis the financial statement of a company	Analyze

**UNIT I: MANAGEMENT ACCOUNTING****14 HOURS**

Introduction –Meaning – Objectives Nature and Scope of Management Accounting Difference between Cost Accounting and Management Accounting Cost control and Cost Reduction Cost management

**UNIT II: FINANCIAL STATEMENT ANALYSIS****14 HOURS**

Horizontal and Vertical Analysis Ratio Analysis: Meaning – Advantages – Limitations Classification of ratios Fund Flow Statement: Meaning – Uses – Limitations Sources and uses of funds Cash Flow Statement: Meaning – Uses – Limitations Sources and uses of cash AS3 Standard format

**UNIT III: STANDARD COSTING****14 HOURS**

Standard Costing: Standard Costing and Variance Analysis: Meaning of Standard Cost and Standard Costing –Advantages Limitations and Applications Variance Analysis – Material –Labour Overheads

and Sales Variances Disposition of Variances Control Ratios

**UNIT IV: MARGINAL COSTING AND DECISION MAKING**

**15 HOURS**

Absorption versus Variable Costing: Distinctive Features and Income Determination Cost Volume Profit Analysis, Profit / Volume ratio Break even Analysis Algebraic and Graphic Methods Angle of Incidence Margin of Safety Key Factor Determination of Cost Indifference Point

**UNIT V: BUDGETARY CONTROL AND CONTEMPORARY ISSUES**

**15 HOURS**

Budgeting and Budgetary Control Concept of budget Budgeting and Budgetary Control –Objectives Merits and Limitations Budget Administration Functional budgets Fixed and Flexible Budgets Zero Base Budgeting Programme and Performance Budgeting

**TOTAL 72 HOURS**

**Note:** Distribution of marks 30% theory and 70% problems

**TEXT BOOKS:**

1. AlnoorBhimani, Charles T Horngren, Srikant M Datar, Madhav Rajan (2015), Management and Cost Accounting, 6<sup>th</sup> Edition, Pearson Education, New Delhi
2. Narasimhan (2017), Management Accounting, Cengage Learning Publishing, New Delhi
3. The Institute of Company Secretaries of India (2018), Corporate and Management Accounting, M P Printers

**REFERENCE BOOKS:**

1. MY Khan, PK Jain (2017), Management Accounting, 7<sup>th</sup> Edition, McGraw Hill Education, New Delhi
2. Dr S N Maheshwari, CA Sharad K Maheshwari & Dr Suneel K Maheshwari(2018), A Textbook of Accounting for Management, 4<sup>th</sup> Edition S Chand Publishing, New Delhi

**WEBSITE:**

1. [https://swayamgovin/nd1\\_noc20\\_mg65/preview](https://swayamgovin/nd1_noc20_mg65/preview)

**CO, PO, PSO Mapping**

Cos	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5	PSO 1	PSO 2
CO1	3	-	3	3	1	-	-	-	-	-	-	-	-	-	-	1	2
CO2	3	-	3	3	-	-	-	-	-	1	-	-	-	-	2	2	1
CO3	3	-	3	3	-	1	-	-	2	-	-	-	-	-	2	1	2
CO4	3	-	3	3	-	-	-	-	2	-	-	-	-	-	-	2	1
CO5	3	-	3	3	-	-	1	-	2	-	-	-	-	-	2	1	2
Average	3	-	3	3	1	1	1	-	2	1	-	-	-	-	2	1.4	1.6

**3 Strong; 2 Medium; 1 Low, “ -“ No Correlation**

Instruction Hours/week: L:6 T:0 P:0

Marks: Internal:40 External: 60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

- Basic understanding of financial markets and instruments.

**COURSE OBJECTIVES(CO):**

- Learn about various derivative products and understand the differences between forward and futures contracts.
- Gain knowledge of trading strategies using futures and options on stocks and stock indices, and to understand the trading, clearing, and settlement system.
- Comprehend the tax system for derivatives.

**COURSE OUTCOMES(COS):**

Upon completion of this course, the students will be able to:

Cos	Course Outcomes	Blooms Level
CO1	Analysis the derivatives markets	Analyze
CO2	Remember the various types of Indices	Remember
CO3	Apply the concepts of futures, forwards and options	Apply
CO4	Evaluate the option trading strategies for managing risk	Evaluate
CO5	Understand the nuances of trading system	Understand

**UNIT I; BASICS OF DERIVATIVES & UNDERSTANDING INDEX 14 HOURS**

Basics of Derivatives Evolution Indian Derivatives Market Market participants – Types Significance Various risk faced by the participants Introduction to Index Significance Types – Attributes Index management Major Indices in India, Applications of Index

**UNIT II: INTRODUCTION TO FORWARDS, FUTURES & OPTIONS 14 HOURS**

Payoff Charts Futures pricing Cash and carry / Non arbitrage model Expectancy model of futures pricing Concept of convergence of cash and futures prices Basic differences in Commodity Equity and Index Futures Uses of futures Role of different players Use of futures contract as an effective instrument for managing risk, Strategies for hedging, speculation and arbitrage

**UNIT III: OPTION TRADING STRATEGIES & SYSTEMS 14 HOURS**

Option spreads Payoff charts Straddle Strangle Covered Call Protective Put Collar Butterfly spread Trading Systems, Corporate hierarchy, Order types and conditions, Selection criteria of Stock for trading and Index for trading Adjustments for Corporate Actions Position Limits Daily newspapers to track

**UNIT IV: CLEARING AND SETTLEMENT SYSTEM & LEGAL AND REGULATORY ENVIRONMENT**

**15 HOURS**

Clearing Members Role and Eligibility norms Mechanism and computation of open positions Settlement of stock and index margining and mark to market under SPAN, Risk Management features and position limits Rules and regulations Recommendations of the LC Gupta Committee, Recommendations of the J R Verma Committee

**UNIT V: TAXATION & SALES PRACTICES AND INVESTORS PROTECTION SERVICES**

**15 HOURS**

Accounting of contracts, Taxation of securities Risk profile Importance of Sales process, Importance of KYC, Documents to trade in Derivatives contract, Best practices in Derivatives sales, Investors Grievance Mechanism

**TOTAL 72 HOURS**

**TEXT BOOKS:**

1. Franklin R Edwards (1992) Cindy WMa Futures & Options Bangalore: McGraw Hill
2. Jagadish R Raiyani (2011) Financial Derivatives in India, Chennai: New Century Publication
3. Bhushan Vijay Kumar Jadhav (2018), Option Trading Strategies: Independently Published

**REFERENCE BOOKS:**

1. NISM (2019), NISM Series VIIIA Equity Derivative Module, Delhi: Taxman
2. NCFM – Derivatives Market – Dealers Module, by NSE Academy, Mumbai
3. Robert Baker (2010), “The Trade Lifecycle: Behind the Scenes of the Trading Process New Delhi, Wiley India

**WEBSITES:**

1. [www.isdi.org/swap.derivateies](http://www.isdi.org/swap.derivateies).
2. [www.nseindia.com](http://www.nseindia.com)

**CO, PO, PSO Mapping**

Cos	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5	PSO 1	PSO 2
CO1	3	-	-	-	2	-	-	-	-	-	1	-	-	-	2	1	2
CO2	3	-	-	-	2	-	-	-	1	-	-	-	-	-		1	2
CO3	3	-	2	-	-	-	-	-	-	-	-	-	-	-	2	1	2
CO4	3	-	2	1	-	-	-	-	-	-	-	-	-	-		1	2
CO5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	2
Average	3	-	2	1	2	-	-	-	1	-	1	-	-	-	2	1	2

**3 Strong; 2 Medium; 1 Low “-“ No Correlation**



Instruction Hours/week: L:5 T:1 P:0

Marks: Internal:40 External: 60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

- Basic knowledge of tax principles and accounting.

**COURSE OBJECTIVES(CO):**

- Understand the basic concepts of the Income Tax Act, 1961, including the computation of salary and house property income.
- Learn the provisions for calculating income from other sources and be familiar with the laws related to total income and tax liability.
- Assess the total income and tax liability of individuals effectively.

**COURSE OUTCOMES(CSO):**

Upon completion of this course, the students will be able to:

Cos	Course Outcomes	BloomsLevel
CO1	Understand the basic Concept of IncomeTaxAct,1961	Understand
CO2	Impart the knowledge on computation of salary and house Property income	Understand
CO3	Know the provisions of computation of income from other Sources	Apply
CO4	Familiarwiththelawspertainingtocomputationoftotal Incomeandtaxliability	Apply
CO5	Assessthetotal incomeand taxliabilityof individual	Evaluate

**UNIT I: BASIC CONCEPTS****14 Hours**

An Overview of Income Tax Act, 1961 Introduction Important Definitions Income Agricultural Income Assessee PreviousYear Assessment Year Residential Status Basis of Charge Scope of Total Income Tax Rates in accordance with the applicable Finance Act for the relevant assessment year Exempted Income u/s 10

**UNIT II: COMPUTATION OF INCOME FROM SALARY AND HOUSE PROPERTY****14 Hours**

Salary –Meaning – Allowances – Perquisites Profits inlieu of Salary Deductions against Salary Incomes exempt from Tax **House Property** Chargeability Owner of house property Determination of Annual Value Deduction from Net Annual Value Unrealized Rent – Exemptions Computation of Income from House Property

**UNIT III: COMPUTATION OF INCOME – PROFITS AND GAINS FROM BUSINESS AND PROFESSION**

**14 Hours**

Profits and Gains from Business and Profession Business and Profession – An Overview – Chargeability Profits and Losses of Speculation Business Deductions Allowable Expenses Disallowed Deemed Profits u/s 41 Maintenance of Accounts **Capital Gain:** Chargeability Capital Gains Capital Assets & Transfer Types of Capital Gains Mode of Computation of Capital Gains Exemptions and Deduction

**UNIT IV COMPUTATION OF INCOME FROM OTHER SOURCES SET OFF AND/OR CARRY FORWARD OF LOSSES**

**15 Hours**

Rebate and Relief Income's not included in Total Income Tax holidays Clubbing of Income Aggregation of Income

**UNIT V: COMPUTATION OF TOTAL INCOME AND TAX LIABILITY**

**15 Hours**

Computation of Gross Total Income –Individual Tax Rate – Deduction under Sec 80 – Computation of Total Income and Tax Liability of an Individual

**TOTAL 72 HOURS**

**Note: Distribution of marks 30% theory and 70% problems**

**TEXT BOOKS:**

1. CA Atin Harbhajanka (Agarwal) (2018), Income Tax Law and Practice, 2<sup>nd</sup> Edition Bharat Law House Pvt Ltd, New Delhi
2. Dr Vinod K Singhania, Dr Kapil Singhania (2018), Direct Taxes Law and Practice, Taxmann Publication Pvt Limited, New Delhi
3. Monica Singhania Vinod K Singhania (2020), Students Guide to Income Tax including GST, 61<sup>st</sup> Edition, Taxmann Publication Pvt Limited, New Delhi
4. Direct Tax Law and Practice (2018), The Institute of Company Secretaries of India, MP Printers

**REFERENCE BOOKS:**

1. Gaur and Narang (2021), Income Tax Law and Practice, 51<sup>st</sup> Edition, Kalyani Publishers, Chennai
2. Dr HC Malhotra, Dr S P Goyal (2021), Income Tax Law and Practice, 61<sup>th</sup> Edition, Sathya Bawan Publication, New Delhi
3. Dr Girish Ahuja, Dr Ravi Gupta (2018), Direct Taxes Law and Practices, 10<sup>th</sup> Edition Wolters Kluwer India Pvt Ltd, New Delhi

**WEBSITE:**

1. <https://www.coursera.org/learn/international-taxation>

### CO, PO, PSO Mapping

Cos	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5	PSO 1	PSO 2
CO1	3	-	2	-	-	-	-	-	-	3	2	-	3	-	3	1	2
CO2	3	-	-	3	3	-	-	-	-	3	-	-	3	-	3	1	2
CO3	3	-	-	3	3	-	-	-	-	3	-	-	3	-	3	1	2
CO4	3	-	-	3	3	-	-	-	-	3	2	-	3	-	3	1	2
CO5	3	-	2	3	3	-	-	-	-	3	2	-	3	-	3	1	2
Average	3	-	2	3	3	-	-	-	-	3	2	-	3	-	3	1	2

**3 Strong; 2 Medium; 1 Low”-“ : No Correlation**

Instruction Hours/week: L:5 T:0 P:0

Marks: Internal:40 External: 60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

- Basic understanding of statistics and data analysis techniques.

**COURSE OBJECTIVES(CO):**

- Master advanced Excel functions and add-ins for data analysis and business decision-making.
- Develop proficiency in using analytics software for solving complex business problems.
- Apply statistical methods to interpret and visualize data patterns and relationships.

**COURSE OUTCOMES(CSO):**

Upon completion of this course, the students will be able to:

COs	Course Outcomes	Blooms Level
CO1	Identify and describe complex business problems in terms of analytical models	Understand
CO2	Study data models and Business Analytics Cycle	Understand
CO3	Implement analytical models in the software tools	Create
CO4	Interpret the results of business analytics and their implications to business administrations	Evaluate
CO5	Make data driven decisions to optimize the business process and address issues in business administrations	Apply

**UNIT I: INTRODUCTION TO BUSINESS ANALYTICS****11 HOURS**

The Paradigm Shift From Data to Insight From Business Intelligence to Business Analytics Levels of "Intelligence" Overview of the Business Analytics Model Deployment of the BA Model Strategy and BA: Four Scenarios Business Analytics Value Chain Big Data Data Types Company Data Individual Consumer Data Sensor Data Syndicated Data Structured, Poorly Structured, and Unstructured Data Data Integration Data Quality Data Security Data Privacy Data Governance

**UNIT II: DEVELOPMENT AND DEPLOYMENT OF INFORMATION****12 HOURS**

The Business Analytics Cycle Analytic Tools and Methods Implementation Requirements for Integrating Business Analytics Business Analytics at the Analytical Level Data, Information, and Knowledge Descriptive Analytics Predictive Analytics Prescriptive Analytics Data Mining Predictive Analytics Forecasting Optimization Simulation Network Analytics Text Analytics Data Preparation Data Normalization Exploratory Data Analysis

**UNIT III: ANALYTICS METHODOLOGY AND TOOLS****12 HOURS**

Business Analytics Process (BAP) Business Processes and Analytics Overview of Process Families Types of Data Population and Sample Data Quantitative and Categorical Data Cross Sectional and Time Series Data Sources of Data Modifying Data in Excel Sorting and Filtering Data in Excel Conditional Formatting of Data in Excel Measures of Location Variability Measures of Association

Between Two Variables Data Visualization Tables Charts Advanced Data Visualization Data Dashboards

**UNIT IV: BUSINESS ANALYTICS**

**12 HOURS**

Two Ways of Knowledge Discovery Supervised Learning Unsupervised Learning Value Prediction Hypothesis Driven Methods Linear Regression Using Regression Analysis for Forecasting Customer Analytics: “Know Thy Customer” Targeting Customers Project Suggestions Social Analytics: Customer Satisfaction Mining Online Buzz Project Suggestions Operational Analytics: Inventory Management Marketing Optimization Predictive Maintenance Human Resources & Workforce Management

**UNIT V: USE CASES AND BUSINESS ANALYTICS APPLICATIONS**

**13 HOURS**

Basic Classification Use Cases for Credit Approval and in Education: k Nearest Neighbor Classification Naive Bayes Classification Marketing, Cross Selling, and Recommender System Use Cases: Affinity Based Marketing Constructing Recommender Systems Recommender System for Selection of the Right Study Program for Higher Education Students Clustering in Medical and Educational Domains: Grouping Higher Education Students Spam Detection, Language Detection, and Customer Feedback Analysis Detecting Text Message Spam

**TOTAL 60 HOURS**

**TEXT BOOKS:**

1. RapidMiner: Data Mining Use Cases and Business Analytics Applications (2015) United States: CRC Press
2. Bag, D (2016) Business Analytics United Kingdom: Taylor & Francis
3. Koole, G (2019) An Introduction to Business Analytics Netherlands: MG Books

**REFERENCE BOOKS:**

1. Business Analytics: The Science of Data Driven Decision Making, by U Dinesh Kumar, Wiley
2. Camm, J, Cochran, J, Fry, M, Ohlmann, J, & Anderson, D (2014) Essentials of Business Analytics (Book Only) Nelson Education
3. Hardoon, D R, Shmueli, G (2013) Getting Started with Business Analytics: Insightful Decision Making United Kingdom: Taylor & Francis
4. Das, S (2013) Computational Business Analytics United Kingdom: Taylor & Francis
5. Lin, N (2014) Applied Business Analytics: Integrating Business Process, Big Data, and Advanced Analytics United States: Pearson Education
6. Laursen, G H N, Thorlund, J (2010) Business Analytics for Managers: Taking Business Intelligence Beyond Reporting United Kingdom: Wiley

**WEBSITES:**

1. [https://wwwmanagementstudyguidecom/business\\_analyticshtm](https://wwwmanagementstudyguidecom/business_analyticshtm)
2. [https://onlinehbsedu/blog/post/importance\\_of\\_business\\_analytics](https://onlinehbsedu/blog/post/importance_of_business_analytics)
3. [https://learnng2com/business\\_analytics](https://learnng2com/business_analytics)

### CO, PO, PSO Mapping

Cos	P O1	P O2	P O3	P O4	P O5	P O6	P O7	P O8	P O9	PO 10	PO 11	PO 12	PO 13	PO 14	PO 15	PS O1	PS O2
CO1	3	-	2	-	-	-	-	-	-	-	-	-	1	-	-	1	2
CO2	3	-	-	-	2	-	-	-	-	-	3	-	-	-	-	1	2
CO3	3	-	-	-	-	-	-	-	-	-	3	-	-	-	-	1	2
CO4	3	-	-	-	2	-	-	-	2	-	3	-	-	-	-	1	2
CO5	3	-	2	-	-	-	-	-	2	-	-	-	-	-	1	1	2
Average	3	-	2	-	2	-	-	-	2	-	3	-	1	-	1	1	2

**3 Strong; 2 Medium; 1 Low**

Instruction Hours/week: L:5 T:0 P:0

Marks: Internal:40 External: 60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

- Basic understanding of legal principles and business contracts.

**COURSE OBJECTIVES(CO):**

- Understand the essentials of a valid contract, including key elements like offer, acceptance, and legality.
- Differentiate between sale and agreement to sell, and evaluate conditions and warranties in contracts.
- Comprehend the nature, rights, duties, and dissolution of partnerships, and the characteristics of negotiable instruments

**COURSE OUTCOMES(CSO):**

Upon completion of this course, the students will be able to:

COs	Course Outcomes	Blooms Level
CO1	Understand the essentials of a valid contract, including offer and acceptance, consideration, contractual capacity, free consent, and legality of objects	Understand
CO2	Differentiate between sale and agreement to sell, and evaluate conditions and warranties in contracts of sale	Understand
CO3	Understand the nature and characteristics of partnership, including rights, duties, implied authority, and dissolution	Understand
CO4	Understand the meaning, characteristics, and types of negotiable instruments, including negotiation, endorsements, and crossing of cheques	Understand
CO5	Understand the salient features of LLP, differences between LLP and partnership/company, LLP agreement, and incorporation	Understand

**UNIT I: THE INDIAN CONTRACT ACT, 1872****12 Hours**

General Principles of Contract Contract – Meaning, Characteristics and Kinds Essentials of a Valid Contract Offer and Acceptance, Consideration, Contractual Capacity, Free Consent, Legality of Objects Void Agreements Discharge of a Contract – Modes of Discharge, Breach and Remedies against Breach of Contract Contingent contracts Quasi – Contracts

**UNIT II: THE INDIAN CONTRACT ACT, 1872****12 Hours**

Specific Contracts Contract of Indemnity and Guarantee Contract of Bailment Contract of Agency **The Sale of Goods Act, 1930** Contract of sale, Meaning and Difference Between Sale and Agreement to Sale Conditions and Warranties Transfer of Ownership in Goods including Sale by a Non owner Performance of Contract of sale Unpaid Seller – Meaning, Rights of an

Unpaid Seller against the Goods and the Buyer

**UNIT III: NATURE AND CHARACTERISTICS OF PARTNERSHIP 12 Hours**

Registration of a Partnership Firms Types of Partners Rights and Duties of Partners Implied Authority of a Partner Incoming and outgoing Partners Mode of Dissolution of Partnership

**UNIT IV: THE NEGOTIABLE INSTRUMENTS ACT 1881 12 Hours**

Meaning, Characteristics, and Types of Negotiable Instruments: Promissory Note, Bill of Exchange, Cheque Holder and Holder in Due Course, Privileges of Holder in Due Course Negotiation Types of Endorsements Crossing of Cheque Bouncing of Cheque

**UNIT V: THE LIMITED LIABILITY PARTNERSHIP ACT, 2008 12 Hours**

Salient Features of LLP Differences Between LLP and Partnership, LLP and Company LLP Agreement Partners and Designated Partners Incorporation Document Incorporation by Registration Partners and their Relationship Information Technology Act – Introduction – Cyber Law – Features – Importance of Cyber Law– Digital Signature – Cyber Crimes Intellectual Property Act – Meaning, Importance – Advantages.

**TOTAL 60 HOURS**

**TEXT BOOKS:**

1. AgarwalSK,(2021),Business Law,Sahitya Bhawan Publicaitons,Agra
2. P C Tulsian and Bharat Tulsian (2017), Business Law, McGraw Hill Education, New Delhi
3. Sharma, JP and Sunaina Kanojia (2017), Business Laws, Ane Books Pvt Ltd, New Delhi
4. Kapoor,ND(2014),Elements of Mercantile Law,S Chand and Co,New Delhi

**REFERENCE BOOKS :**

1. Kuchhal,MCandVivekKuchhal(2018),Business Law,Vikas Publishing House, New Delhi
2. SNMaheshwariandSKMaheshwari(2014),BusinessLaw,NationalPublishing House, New Delhi

**WEBSITE:**

1. <https://www.coursera.org/learn/corporate-commercial-law-part1>

**CO, PO, PSO Mapping**

Cos	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5	PSO 1	PSO 2
CO1	3	-	2	3	-	-	-	-	-	-	-	-	3	-	2	1	2
CO2	3	-	2	3	-	-	-	-	-	-	-	-	3	-	2	1	2
CO3	3	-	-	3	-	-	1	-	-	-	-	-	3	-	2	1	2
CO4	3	-	-		1	-	-	-	-	1	-	-	3	-	-	1	2
CO5	3	-	-	3	-	1	-	-	-	-	-	-	3	-	-	1	2
Average	3	-	2	3	1	1	1	-	-	1	-	-	3	-	2	1	2

**3 Strong; 2 Medium; 1 Low; “-“ No correlation**



Instruction Hours/week: L:4 T:0 P:0

Marks: Internal:40 External: 60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

- Basic knowledge of database concepts and SQL.

**COURSE OBJECTIVES(CO):**

- Understand the importance of database security and data integrity maintenance.
- Learn and apply basic SQL commands and advanced SQL techniques.
- Use SQL for database administration, including single and multiple table commands.

**COURSE OUTCOMES(COS):**

Upon completion of this course, the students will be able to:

Cos	Course Outcomes	Blooms Level
CO1	Learn and apply the Structured Query Language (SQL) for database definition and manipulation	Apply
CO2	To remember the basic SQL commands	Remember
CO3	Utilize a database modeling technique and apply views to break down problems and enhance security	Apply
CO4	Learn and implement the principles and concepts of information integrity, security and confidentiality	Apply
CO5	Apply ethical computing concepts and practices to database design and implementation	Apply

**UNIT I: INTRODUCTION TO DATABASES AND SQL****9 HOURS**

Introduction to Databases Nonrelational Database Systems Relational Databases Terms and definitions Database Concepts Entities, Attributes, and Relationships SQL Language SQL Statement Classes MySQL SQL Statements The Different Execution Types SQL's Environment – Schemas Name Database Objects Generate a Schema Creating a New Database Functional Dependence Primary Key Database Design Method Database Design Requirements Normalization First Normal Form Second Normal Form Third Normal Form Diagrams for Database Design

**UNIT II: BASIC SQL COMMANDS****9 HOURS**

Creating a Table Correcting Errors in SQL Commands Dropping a Table Using Data Types Using Nulls Adding Rows to a Table The INSERT Command Inserting a Row that Contains Nulls Viewing Table Data Correcting Errors in a Table Saving SQL Commands Creating the Remaining Database Tables Describing a Table

**UNIT III: SINGLE & MULTIPLE TABLE SQL COMMANDS****10 HOURS**

The SELECT Statement Single Table Queries Constructing Simple Queries Sorting Using Functions Nesting Queries Grouping Nulls SQL Clauses, Functions, and Operators Multiple Table

Queries Querying Multiple Tables Joining Two Tables Comparing Joins, IN, and EXISTS Set Operations ALL and ANY Special Operations

**UNIT IV: ADVANCED SQL COMMANDS**

**10 HOURS**

Updating Data Creating a New Table from an Existing Table Changing Existing Data in a Table Adding New Rows to an Existing Table Auto commit, Commit, and Rollback Transactions Changing and Deleting Existing Rows Executing a Rollback Changing a Value in a Column to Null Changing a Table 's Structure Making Complex Changes Performing Mathematical Calculations

**UNIT V: DATABASE ADMINISTRATION**

**10 HOURS**

Creating and Using Views Using a View to Update Data Dropping a View Security Indexes System Catalog Update of the System Catalog Integrity Constraints in SQL Using SQL in a Programming Environment Using Functions Working with Dates Concatenating Columns Stored Procedures Error Handling Using Update Procedures Selecting Multiple Rows with a Procedure Using a Cursor Opening a Cursor Fetching Rows from a Cursor Closing a Cursor Using T SQL in SQL Server Using SQL in Microsoft Access Using a Trigger.

**TOTAL 48 HOURS**

**TEXT BOOKS:**

1. Nield, T (2016) Getting Started with SQL: A Hands On Approach for Beginners China: O'Reilly Media
2. Melton, J, & Simon, A R (1993) Understanding the new SQL: a complete guide Morgan Kaufmann
3. Feuerstein, S, & Pribyl, B (2005) Oracle pl/sql Programming " O'Reilly Media, Inc"  
Melton, J, & Simon, A R (2001) SQL: 1999: understanding relational language

**REFERENCE BOOKS:**

1. Pratt, P, & Last, M (2014) A guide to SQL Nelson Education
2. Jones, A D, Plew, R, Stephens, R (2011) Sams Teach Yourself SQL in 24 Hours: Pearson Education
3. Beaulieu, A (2009) Learning SQL: master SQL fundamentals " O'Reilly Media, Inc"

**WEBSITE:**

1. <https://www.coursera.org/learn/sql/part1>

**CO, PO, PSO Mapping**

Cos	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5	PSO 1	PSO 2
CO1	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	2
CO2	3	-	1	-	-	-	-	-	-	-	-	-	-	-	2	1	2
CO3	3	-	1	-	-	-	-	-	-	-	-	-	-	-	2	1	2
CO4	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	2
CO5	3	-	-	-	-	-	-	-	-	-	1	-	-	-	2	1	2
Average	3	-	1	-	1	-	-	-	-	-	1	-	-	-	2	1	2

**3 Strong; 2 Medium; 1 Low**

**Instruction Hours/week: L:5 T:0 P:0**

**Marks: Internal:40 External: 60 Total:100**  
**End Semester Exam: 3 Hours**

**PREREQUISITE:**

- Basic understanding of economics

**COURSE OBJECTIVES(CO):**

1. Analyze the nature and scope of business economics and its relevance in decision-making.
2. Evaluate methods of price determination and the influence of monetary policy on economic activities.
3. Apply micro and macroeconomic concepts to assess their impact on the Indian economy and business operations.

**COURSE OUTCOMES(COS):**

Upon completion of this course, the students will be able to:

<b>COs</b>	<b>Course Outcomes</b>	<b>Blooms Level</b>
CO1	Analyze the core concepts of business economics and their application in decision-making	Analyze
CO2	Evaluate the methods of price determination and their implications for market dynamics	Evaluate
CO3	Examine the impact of various factors on the Indian economy	Analyze
CO4	Assess key concepts of monetary policy and their influence on economic stability	Evaluate
CO5	Apply micro and macroeconomic concepts to solve business-related economic problems	Apply

**UNIT I: BUSINESS ECONOMICS**

**12 HOURS**

Meaning – Definition - Scope and Nature - Concepts applied in Business Economics - Contribution of Economics to managerial functions - Micro and Macro-Economics applied to Business Environment – Role and Responsibilities of Business Economists.

**UNIT II: ANALYSIS OF DEMAND**

**12 HOURS**

Meaning of Demand – Basis of Consumer Demand – Utility – Total Utility - Marginal Utility - Law of Diminishing Marginal Utility – Cardinal and Ordinal Concept of Utility – Law of Demand - Shift in Demand Curve - Meaning and Nature of Indifference Curve - Shift in Indifference Curve and Properties of Indifference Curve - Consumer Equilibrium - Effect of Change in Price and Consumption - Income and Consumer Demand and Substitution and Price Changes.

**UNIT III: SUPPLY AND PRODUCTION**

**12 HOURS**

Meaning of Supply – Determinants - Law - Schedule and Supply Curve – Elasticity of

Supply - Production - Function- Laws of Production – ISO -Quants – Pricing - Market Structure and Pricing Decision – Pricing Under Perfect Competition – Characteristic and Price Determination – Monopoly – Kinds – Causes - Price Output Decision and Price Discrimination - Monopolistic Competition – Price Output Decision in Short and Long run – Equilibrium - Oligopoly – Definition - Sources and Characteristics - Price Rigidity and Price Leadership.

#### **UNIT IV: MACRO-ECONOMIC FACTORS**

**12 HOURS**

The Economic System - Capitalism and Mixed Economic System - Monetary Policy – Meaning – Scope - Limitations and Instruments – Fiscal policy – Definition – Objectives - Taxation Policy - Formulation and its Reforms - Monetization and demonetization of currency – impact on Indian economy

#### **UNIT V: MONETARY POLICY**

**12 HOURS**

Inflation - Business Cycle and Economic Linkages – Inflation and Deflation – Meaning – Causes and Measures - Types of Inflation indices and their Applications - Business Cycle – Phases – Characteristics and Various Theories - Balance of Trade and Balance of Payment – Meaning – Causes - Kinds and Measures.

**TOTAL 60 HOURS**

#### **TEXT BOOKS:**

1. Geetika and Piyali Ghosh (2017), Managerial Economics, 3rd Edition, McGraw Hill Education, New Delhi.
2. H. L. Ahuja, (2017), Managerial Economics, 9th edition, S Chand Publishing, New Delhi
3. Christopher R.Thomas and S.Charles Maurice, Managerial Economics: Foundation of Business Analysis and Strategy, 10th Edition, McGraw Hill Education, New Delhi.

#### **REFERENCE BOOKS:**

1. Sundaram KPM & Sundaram EN-(2000), Business Economics, Sultan Chand and sons, New Delhi.
2. Ravilochanan. P (1992), Business Economics, ESS PEE KAY Publishing House, Chennai.
3. Drivedi DN, (2002), Managerial Economics, Vikas Publishing House (P) Ltd, New Delhi

#### **WEBSITES:**

1. D.N. Dwivedi (2017), Macroeconomics: Theory and Practice, 4th Edition, McGraw Hill Education, New Delhi
2. D.N. Dwivedi (2016), Microeconomics, 4th Edition, McGraw Hill Education, New Delhi
3. [https://swayam.gov.in/nd2\\_imb20\\_mg38/preview](https://swayam.gov.in/nd2_imb20_mg38/preview)

## CO, PO, PSO Mapping

Cos	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5	PSO 1	PSO 2
CO1	3	-	2	3	-	-	-	-	-	-	-	-	3	-	2	1	2
CO2	3	-	2	3	-	-	-	-	-	-	-	-	3	-	2	1	2
CO3	3	-	-	3	-	-	1	-	-	-	-	-	3	-	2	1	2
CO4	3	-	-		1	-	-	-	-	1	-	-	3	-	-	1	2
CO5	3	-	-	3	-	1	-	-	-	-	-	-	3	-	-	1	2
Average	3	-	2	3	1	1	1	-	-	1	-	-	3	-	2	1	2

**3 Strong; 2 Medium; 1 Low; “-“ No correlation**

Instruction Hours/week: L:0 T:0 P:4

Marks: Internal:40 External: 60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

- Basic knowledge of financial statements and financial analysis.

**COURSE OBJECTIVES(CO):**

- To apply knowledge and understanding of financial statements to evaluate business performance.
- To learn to compare businesses using various financial models and create flexible charts.
- To use valuation models using different methods

**COURSE OUTCOMES(COS):**

Upon completion of this course, the students will be able to:

COs	Course Outcomes	Blooms Level
CO1	Build the financial model to identify the portfolio which yields best return	Apply
CO2	Build the model to reduce the risk while choosing the investment product	Apply
CO3	To test for market efficiency using simple tests	Analyze
CO4	Develop, construct and run an event study analysis of the abnormal returns	Apply
CO5	Estimate betas and calculate a firm's cost of capital	Evaluate

**List of Exercises**

1. Introduction to Financial Modelling 3 Hours
2. Built in financial Excel Functions 3 Hours
3. Time value and its applications; EMI Modelling; Loan amortization modelling 3 Hours
4. Debenture Redemption modelling Bond valuation 3 Hours
5. Introduction to Stock Return ,Beta Volatility (Daily and Annualized) Risk of the Portfolio for N stocks – 3 Hours
6. Equal Proportion: Domestic and International Diversification 3 Hours
7. Spotting Overpriced/Under priced Stocks 3 Hours
8. Risk optimization model for Two stocks with varying proportions 4 Hours
9. Risk optimization model for more than Two stocks with varying proportions 4 Hours
10. Target return ratio model using Single Sharpe and Treynors' Index model 4 Hours
11. Single Sharpe Index model portfolio construction 4 Hours
12. Valuation 4 Hours
  - Valuation method 1: Comparable Company Analysis

- Valuation method 2: Precedent Transactions Analysis
  - Valuation method 3: Discounted Cash Flow (DCF) analysis
13. Weighted Average Cost of Capital (WACC) 4 Hours
14. Building an Integrated Cash Flow Model 4 Hours

**TOTAL 48 HOURS**

**REFERENCE BOOKS:**

1. Financial Modeling in Excel For Dummies, by Danielle Stein Fairhurst, For Dummies; 1st edition
2. Financial Analysis and Modeling using Excel and VBA, by Chandan Sengupta, Wiley; Second edition

**CO, PO, PSO Mapping.**

Cos	P O 1	P O 2	P O 3	P O 4	P O 5	P O 6	P O 7	P O 8	P O 9	PO 10	PO 11	PO 12	PO 13	PO 14	PO 15	PS O1	PS O2
CO1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	2
CO2	3	-	3	-	-	-	-	-	-	-	-	-	-	-	2	1	2
CO3	3	-	-	-	-	-	-	-	-	-	1	-	-	-	2	1	2
CO4	3	-	3	-	2	-	-	-	1	-	-	-	-	-	-	1	2
CO5	3	-	3	-	2	-	-	-	-	-	-	-	-	-	-	1	2
Average	3	-	3	-	2	-	-	-	1	-	1	-	-	-	2	1	2

**3 Strong; 2 Medium; 1 Low, “-“ No Correlation**



Instruction Hours/week: L:0 T:0 P:4

Marks: Internal:100 External: - Total:100

End Semester Exam: - Hours

**PREREQUISITE:**

- Basic understanding of career planning and professional development.

**COURSE OBJECTIVES(CO):**

- Explore career alternatives and integrate theory with practice.
- Assess interests and abilities in their field of study.
- Develop work habits, attitudes, and critical job success skills.experience

**COURSE OUTCOMES(COS):**

Upon completion of this course, the students will be able to:

COs	Course Outcomes	BloomsLevel
CO1	Explore career alternatives prior to graduation & integrate theory and Practice	Understand
CO2	Assess interest and abilities in their field of study	Evaluate
CO3	Develop work habits and attitudes necessary for job success	Apply
CO4	Develop communication, interpersonal and other critical Skills in the job interview process	Apply
CO5	Build a record of work experience	Create

**CO, PO, PSO Mapping**

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO 1	PSO 2
CO1	3	-	-	1	1	-	-	-	-	-	2	-	-	-	-	1	2
CO2	3	-	-	-	-	-	-	-	-	-	2	-	-	-	-	1	2
CO3	3	-	-	-	-	-	-	-	-	-	-	-	3	-	-	1	2
CO4	3	2	2	-	-	-	2	-	-	-	2	2	-	-	-	1	2
CO5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2
AVG	3	2	2	1	1	-	2	-	-	-	2	2	3	-	-S	1	2

**3 Strong;2 Medium;1 Low, “- “No Correlation**

Instruction Hours/week: L:5 T:0 P:0

Marks: Internal:40 External: 60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

- Basic understanding of financial planning and investment principles.

**COURSE OBJECTIVES(CO):**

- Explain the role of financial planners and the constituents of financial planning.
- Analyze a company's performance and make informed recommendations.
- Handle investment advisory, select and evaluate investment products, and consider regulatory aspects to maximize client returns.

**COURSE OUTCOMES(COS):**

Upon completion of this course, the students will be able to:

<b>Cos</b>	<b>Course Outcomes</b>	<b>Blooms Level</b>
CO1	Understand the concept of financial planning and the steps involved	Understand
CO2	Understand the importance of saving and budgeting and the power of compounding	Understand
CO3	Familiarize with various investment options and saving and investment products	Understand
CO4	Familiarize with Stock Markets and Mutual Fund	Evaluate
CO5	Understand the regulatory and operational aspects of financial transactions	Understand

**UNIT I: INTRODUCTION TO INDIAN FINANCIAL MARKET, SEGMENTS AND PERFORMANCE****12 HOURS**

Structure of Indian Financial Markets the role of various Regulators regulating Indian Financial Markets describe the nature, functions and types of issues in Primary Markets, Secondary Markets various tools and options in equity investing – direct, IPOs, Mutual funds and PMS, debt markets Understand the structure of Foreign Exchange Market

**UNIT II: SELECTION AND ANALYSIS OF MUTUAL FUNDS & OTHER INVESTMENT PRODUCTS****12 HOURS**

Describe the meaning and features of a mutual fund regulatory framework for mutual funds various types of mutual fund products taxation of Mutual Fund Products Define and describe the various types of alternate investments Understanding risk, return and portfolio construction principles, Learn about Return targets, risk profile and optimisation Evaluate mutual fund portfolios for revisions and

rebalancing, Understand and Interpret the impact of elements of macroeconomic policies on asset allocation Interpret behavioural biases in decision making and portfolio management,

**UNIT III: MANAGING INVESTMENT RISKS AND MEASURING RETURNS 12 HOURS**

Define Risk, Know the Common Types of Risk, understand how to measure risk Understanding the concept of return, Define and understand how to apply the following return concepts, Understand and apply the concept of compounding, Compute Real rate of return vs nominal return, Compute Tax adjusted return, Compute Risk adjusted Returns

**UNIT IV: PERSONAL FINANCIAL, INSURANCE PLANNING, RETIREMENT, TAX AND ESTATE PLANNING 12 HOURS**

Understand what constitutes financial planning, understand assets, liabilities and net worth, Understand the preparation of budget, Describe the financial planning delivery process Asset classes, Portfolio construction, Practical asset allocation and Rebalancing Strategies, Explain the need for portfolio monitoring and re balancing Understand the need for insurance in personal finance, Compute and interpret personal finance ratios, Understand the retirement planning process, Understand and estimate retirement corpus, determining the retirement corpus, Describe retirement products and their features Understand Income tax principles Describe Estate Planning

**UNIT V: REGULATORY, COMPLIANCE, ETHICAL ISSUES AND OPERATIONAL ASPECTS OF FINANCIAL TRANSACTIONS 12 HOURS**

Describe the provisions of the SEBI (Investment Advisers) Regulations, 2013, Describe overall framework of the regulatory system, explain roles of regulators in detail: MoF, MCA, SEBI, RBI, IRDA, PFRDA, Discuss the role of Self regulatory organizations, Discuss the provisions of PMLA, 2002, Detail codes of conduct by SEBI, AMFI, etc, discuss ethical issues in providing financial advice, Describe investor complaint redressal mechanism Know Investor types and the acquisition process, learn about PAN, KYC and other processes, know about the Demat and Remat processes, learn about the PoA and other agreements, Understand the processes involved for account opening of NR investors

**TOTAL 60 HOURS**

**TEXT BOOKS:**

1. Scott David L, “How to Manage Your Investment Risks and Returns” Vision Books
2. Mutual Funds Guide 2015, Value Research
3. SEBI Investor Grievances – Rights and Remedies

**REFERENCE BOOKS:**

1. NISM (2019), NISM Series X A Investment Advisor (Level 1), Delhi: Taxmann
2. NISM (2019), NISM Series X B Investment Advisor (Level 2), Delhi: Taxmann
3. Sundar Sankaran, “Wealth Engine: Indian Financial Planning & Wealth Management Handbook”, Vision Books (2012)

**WEBSITES:**

1. [www.nism.gov.in](http://www.nism.gov.in)
2. [www.sebi.com](http://www.sebi.com)

## CO, PO, PSO Mapping

Cos	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5	PSO 1	PSO 2
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CO3	3	-	-	-	2	-	-	-	3	-	-	-	-	-	3	1	2
CO4	3	-	-	-	2	-	-	-	3	-	2	-	-	-	-	1	2
CO5	3	-	-	-	-	-	-	-	3	-	2	-	-	-	3	1	2
Average	3	-	1	-	2	-	-	-	3	-	2	-	-	-	3	1	2

**3 Strong; 2 Medium; 1 Low, “-“ No Correlation**

**Instruction Hours/week: L:4 T:0 P:0**

**Marks: Internal:40 External:60 Total:100**

**End Semester Exam: 3 Hours**

**PREREQUISITE:**

- Basic understanding of digital marketing concepts and online marketing platforms.

**COURSE OBJECTIVES(CO):**

- Develop expertise in managing and optimizing Facebook marketing campaigns for various business goals.
- Gain proficiency in using Google AdWords for creating targeted and cost-effective digital advertising strategies.
- Effectively analyze and utilize YouTube analytics for real-time marketing insights and campaign improvements.

**COURSE OUTCOMES(COS):**

Upon completion of this course, the students will be able to:

<b>COs</b>	<b>Course Outcomes</b>	<b>Blooms Level</b>
CO1	Learn and apply Facebook Marketing strategies	Understand
CO2	Utilize Google AdWords for efficient digital marketing scenarios	Apply
CO3	Learn and implement techniques using YouTube for real time marketing analytics	Apply
CO4	Apply email marketing and content writing for developing and enhancing digital marketing	Apply
CO5	Utilize the knowledge of digital marketing financial products for real time practice	Apply

**UNIT I: DIGITAL MARKETING PLANNING AND STRUCTURE**

**9 HOURS**

Inbound vs Outbound Marketing Content Marketing Understanding Traffic Understanding Leads Strategic Flow for Marketing Activities WWW Domains Buying a Domain Website Language & Technology Core Objective of Website and Flow One Page Website Strategic Design of Home Page Strategic Design of Products & Services Page Strategic Design of Pricing Page Portfolio Gallery and Contact Us Page Call to Action (Real Engagement Happens) Designing Other Pages SEO Overview Google Analytics Tracking Code Website Auditing Designing WordPress Website

**UNIT II: FACEBOOK MARKETING FUNDAMENTALS**

**9 HOURS**

Profiles and Pages Business Categories Getting Assets Ready Creating Facebook Pages Page Info and Settings Facebook Page Custom URL Invite Page Likes Featured Video Pin Post and Highlights

Scheduling Posts Facebook Events Reply and Message Facebook Insights Reports Competitor's Facebook Page Ban User on Facebook Page Connect with Twitter Facebook Ad Campaigns: Organic v/s Paid Defining Ad Objective Performance Matrix Ad Components Designing Creative Image Facebook Ad Structure Setting Up Facebook Ad Account Create Ad –Targeting Create Ad – Budgeting Create Ad –Creative Content and CTA Boosting Page Posts Page Promotion Video Promotion Similar Ads and Audiences Tracking Pixels Code Remarketing Website Visitors Custom Audiences Look Alike Custom Audience Saved Group Managing and Editing Ads Ad Reports and Ad Insights Billing and Account Facebook Business Manager People Pages and Roles Ad Accounts Configurations Ad Agencies and Assigning Shared Login for FB Business A/c Power Editor Email Targeting on Facebook Facebook Offers CTA on Page Posts for Location Save Time with Third Party Tools Case Studies

### **UNIT III: GOOGLE ADWORDS**

**10 HOURS**

Understanding Adwords Google Ad Types Pricing Models PPC Cost Formula Ad Page Rank Billing and Payments Adwords User Interface Keyword Planning Keywords Control Creating Ad Campaigns Creating Text Ads Creating Ad Groups Bidding Strategy for CPC Case Studies PPC CPM CPA Other Measuring Tools Bidding Strategy on Location Bidding Strategy on Schedule Bidding Strategy on Devices Conversion Tracking Code Designing Image Ads Creating Animated Ads Examples on Animated Ads Creating Video Ads Youtube Video Promotion Hi Jack Competitor's Video Audience Case Studies Remarketing Strategies Remarketing Rules Remarketing Tracking Code Linking Google Analytics Designing Remarketing Images Shared Budget GWD Software Case Studies

### **UNIT IV: YOUTUBE MARKETING**

**10 HOURS**

Video Flow Google Pages for YouTube Channel Verify Channel Webmaster Tool –Adding Asset Associated Website Linking Custom Channel URL Channel ART Channel Links Channel Keywords Branding Watermark Featured Contents on Channel Channel Main Trailer Uploading Videos Uploading Defaults Creator Library Case Studies Channel Navigation Video Thumbnail CTA – Annotation CTA –Extro CTA –Cards for Mobile Redirect Traffic to Website Post Upload Enhancements Live Broadcasting Managing Playlists Managing Comments Managing Messages Monetization with Adsense Paid Youtube Channel Channel Analytics Real Time Analytics Case Studies

### **UNIT V: EMAIL MARKETING CONTENT WRITING**

**10 HOURS**

Email Machine –The Strategy Email Frequency Why People Don't Buy The Fuel –Value Triggers in Email using 4Ps Sequence of Email Triggers Email Example Topic Intro Product Secondary Value Fear Regret Ask for Sales Reinforcement Offers Announcements Urgency Cross Sales Re Engagement Buyer vs Consumer Email Software and Tools Importing Email Lists Planning Email Campaign Email Templates and Designs Sending HTML Email Campaigns Web Forms Lead Importing Integrating Landing Page Forms Campaign Reports and Insights Segmentation Strategy Segmentation Lists Auto Responder Series Triggering Auto – Responder Emails Auto Responder Actions Case Studies

**TOTAL 48 HOURS**

**TEXT BOOKS:**

1. Melton, J, & Simon, A R (1993) Understanding the new SQL: a complete guide Morgan Kaufmann
2. Feuerstein, S, & Pribyl, B (2005) Oracle pl/sql Programming " O'Reilly Media, Inc"
3. Melton, J, & Simon, A R (2001) SQL: 1999: understanding relational language components Elsevier
4. Kriegel, A (2011) Discovering SQL: a hands on guide for beginners John Wiley & Sons

**REFERENCE BOOKS:**

1. Google Adwords for Beginners: A Do It Yourself Guide to PPC Advertising, Cory Rabazinsky,
2. Email Persuasion: Captivate and Engage Your Audience, Build Authority and Generate More Sales with Email Marketing, Ian Brodie
3. Social Media Marketing All In One for Dummies, Jan Zimmerman and Deborah

**WEBSITES:**

1. <https://learnsqlcom/blog/most-popular-sql-databases-2020/>
2. <https://www.dataquest.io/blog/why-sql-is-the-most-important-language-to-learn/>
3. <https://medium.com/better-programming/5-trends-in-big-data-and-sql-to-be-excited-about-in-2020-1489464e7aee>
4. <https://www.incworx.com/blog/sql-server-2020>

**CO, PO, PSO Mapping**

COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PO 15	PS O1	PS O2
CO1	3	-	-	-	-	-	-	-	2	2	-	-	-	-	-	1	2
CO2	3	-	-	-	2	-	-	-	2	2	3	-	-	-	2	1	2
CO3	3	-	-	-	2	-	-	-	-	2	3	-	-	-	2	1	2
CO4	3	-	1	-	2	-	-	-	2	-	3	-	-	-	-	1	2
CO5	3	-	-	-	-	-	-	-	-	-	3	-	-	-	2	1	2
Average	3	-	1	-	2	-	-	-	2	2	3	-	-	-	2	1	2

**3 Strong; 2 Medium; 1 Low “-“ No Correlation**

Instruction Hours/week: L:4 T:0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

- Basic knowledge of tax principles and accounting practices.

**COURSE OBJECTIVES(CO):**

- Learn and compute GST liabilities and understand GST registration and provisions.
- Communicate the concepts and provisions of indirect taxation, including GST and customs.
- Familiarize with standards, laws, and practical applications of GST and customs for lifelong use.

**COURSE OUTCOMES(COS):**

Upon completion of this course, the students will be able to:

Cos	Course Outcomes	Blooms Level
CO1	Understand the background, constitutional powers, administration of indirect taxes in India, and the basics and framework of GST	Understand
CO2	Apply the concepts of taxable events, supply, levy and collection of CGST and IGST, and exemptions under GST	Apply
CO3	Analyze the concepts of time, value, and place of taxable supply, and understand input tax credit and GST liability computation	Analyze
CO4	Evaluate procedural compliance under GST, including registration, tax invoicing, accounting, returns, payments, refunds, and audits	Evaluate
CO5	Create an understanding of the Customs Act, including the levy and collection of duties, classification, valuation, and import/export procedures	Create

**UNIT I: CONCEPT OF INDIRECT TAXES****9 Hours**

Concept of Indirect Taxes at a Glance: Background Constitutional powers of taxation Indirect taxes in India – An overview Pre GST tax structure and deficiencies – GST Council Administration of Indirect Taxation in India Existing tax structure **Basics of Goods and Services Tax ‘GST’**: Basics concept and overview of GST Constitutional Framework of GST GST Model – CGST / IGST / SGST / UTGST

**UNIT II: CONCEPT OF SUPPLY****9 Hours**

Taxable Event Concept of supply including composite and mixed supply Levy and collection of CGST and IGST Composition scheme & Reverse Charge Mechanism Exemptions under GST



**UNIT III: CONCEPT OF TIME, VALUE & PLACE OF TAXABLE SUPPLY 10 Hours**

Basic concepts of Time and Value of Taxable Supply Basics concept of Place of Taxable Supply Input Tax Credit & Computation of GST Liability Overview

**UNIT IV: PROCEDURAL COMPLIANCE UNDER GST 10 Hours**

Registration Tax Invoice Debit & Credit Note Account and Record Electronic way Bill – Returns Payment of Tax Refund Procedures Audit  
Basic overview on Integrated Goods and Services Tax (IGST) Union Territory Goods and Services tax (UTGST) and GST Compensation to States

**UNIT V: OVERVIEW OF CUSTOMS ACT 10 Hours**

Overview of Customs Law Levy and Collection of Customs duties Types of Custom Duties Classification and Valuation of Import and Export goods – Exemption Officers of Customs Administration of Customs Law Import and Export Procedures – Transportation and Warehousing Duty Drawback Demand and Recovery Confiscation of Goods and Conveyances Refund

**TOTAL 48 HOURS**

**Note:** Distribution of marks 70% theory and 30% problems

**TEXT BOOKS:**

1. Pawan Dhiman (2018), Direct and Indirect Tax Manual, 1<sup>st</sup> Edition, KSK Publisher and Distributors, New Delhi
2. The Institute of Cost Accountants of India (2018), Indirect Taxation, Directorate

**REFERENCE BOOKS:**

1. V S Datey, Indirect Taxes Law and Practice (2020), 42<sup>nd</sup> Edition, Taxmann Publication, New Delhi
2. Dr HC Mehrotra, Prof VP Agarwal (2017), Indirect Taxes, 18<sup>th</sup> Revised Edition, Sahitya Bhawan Publications, New Delhi
3. Dr Girish Ahuja, Dr Ravi Gupta (2018), Practical Approach to Direct and Indirect Taxes: Containing Income Tax and GST, 37<sup>th</sup> Edition, Wolters Kluwer India Private Limited, New Delhi

**WEBSITES:**

1. [www.myitreturn.com](http://www.myitreturn.com)
2. [www.taxguru.in](http://www.taxguru.in)

## CO, PO, PSO Mapping

Cos	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PO 15	PS O1	PS O2
CO1	3	-	-	-	-	-	-	-	-	3	-	-	-	-	3	1	2
CO2	3	-	-	3	-	-	-	-	-	3	-	-	-	-	3	1	2
CO3	3	-	2	3	2	-	-	-	-	3	-	-	-	-	3	1	2
CO4	3	-	2	3	2	-	-	-	-	3	-	-	-	-	3	1	2
CO5	3	-	2	3	2	-	-	-	-	3	-	-	-	-	3	1	2
Average	3	-	2	3	2	-	-	-	-	3	-	-	-	-	3	1	2

**3 Strong; 2 Medium; 1 Low “-“ No Correlation**

Instruction Hours/week: L:5 T:0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

- Basic understanding of financial markets and institutions.

**COURSE OBJECTIVES(CO):**

- Acquire knowledge on Investment Banking Operations.
- Gain insight into services offered by Investment Banks.
- Understand the risks and market data providers associated with investment banking.

**COURSE OUTCOMES(COS):**

Upon completion of this course, the students will be able to:

COs	Course Outcomes	Blooms Level
CO1	Acquire knowledge on the Investment Banking Operations	Understand
CO2	Gain knowledge on services offered by Investment Bank	Understand
CO3	Understand about Risks & Market Data Providers	Evaluate
CO4	Know about the Trade Life Cycle	Understand
CO5	Learn about the Fund administration	Apply

**UNIT I: INTRODUCTION TO INVESTMENT BANKING****12 Hours**

Investment Banking – Introduction Investment Banking Services – Underwriting and types Investment bank structure Types of Investment Banks– Commercial Bank vs Investment Bank Role of Investment Banking in Financial Market Role of investment banks during the last financial crisis 2008

**UNIT II: INVESTMENT BANKING SERVICES****12 Hours**

Introduction Custody Services Transfer Agency – Safekeeping & Settlements, Reporting & Record keeping – Investible Cash Income Process Corporate Actions – Collateral Services Reconciliation Securities Valuation – Pricing Fund Accounting– Financial Reporting

**UNIT III: RISK AND MARKET DATA PROVIDERS****12 Hours**

Risk: Concept of Risk – Risk Management – Types of Risk – Market Risk Credit Risk – Liquidity Risk – Regulatory Risk – Operational Risk – Risk Mitigating strategies **Market Data Providers:** – Meaning – Players – Reference Data – Market Data

**UNIT IV: TRADE LIFE CYCLE****12 Hours**

Introduction – Transaction Types Stages of trade life cycle Pre Trade–Trade Post Trade–Equity Trade Life Cycle Front office Middle office Back office–Parties in Trade Life Cycle

**UNIT V: FUND ADMINISTRATION****12 Hours**

Role of Fund Administrator – Support Functions of Fund Administration Responsibilities of Fund Administrator –Technology – Fees – Accounting and other reporting services – Compliance Services – Portfolio Administration–NAV, pricing and valuations – Pricing Assets – Pricing controls & failure impact

**TOTAL 60 HOURS****TEXT BOOKS:**

1. The Custody Services of Banks– July2016 –Published byThe Clearing House
2. Investment Banking: Valuation, LBOs, M&A, and IPOs, Joshua Rosenbaum ·Joshua Pearl, Published by Wiley
3. Investment Banking and Financial Services,Dr SK Yadav,
4. NISM – Series VII – Securities Operations & Risk Management – Published by National Institute of Securities Markets
5. Minimum Capital Requirements for Market Risk – Jan 2019 – Published by Basel Committee on Banking Supervision
6. CISI – Global Securities Operations – Edition 16, April 2020 – Published by Chartered Institute for Securities & Investment – Author Kevin Petley, Chartered FCSI
7. Investment Banking, CAT Japan Jindal ,Published by Bharat Law House Pvt Ltd
8. Risk and Market Data Providers, Dr K M Bhattacharya, Published by Himalaya Publishing House Pvt, Ltd
9. The Trade Life cycle: Behind the Scenes of theTrading Process , Robert P Baker, John Published by Wiley & Sons Inc

**REFERENCE BOOKS:**

1. Investment BankingGuide, Allison Otto–Published by Vanderbilt University–By
2. Invest Banking & Financial Services – Published by Gopalan College of Engineering & Management
3. Securities Operations–A Guide toTrade & Position Management Michael Simmons – Published by John Wiley & Sons, LTD
4. Introduction to Investment Banking Career, Reading books. com
5. Investment Banking,Concepts,Analysisand Cases,Pratap GiriS,McGraw Hill India
6. Investment Banking, Pradeep Subramaniyam,McGrawHill Education
7. CustodyServices Comptroller’s Handbook Jan 2002

**WEBSITES:**

1. [www.udemy.com](http://www.udemy.com)
2. [www.edx.org](http://www.edx.org)
3. [www.shiksha.com](http://www.shiksha.com)

### CO, PO, PSO Mapping

Cos	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PO 15	PS O1	PS O2
CO1	3	-	1	3	-	-	-	-	1	-	-	-	-	1	-	1	2
CO2	3	-	-	3	2	-	-	-	-	2	1	-	-	-	-	1	2
CO3	3	-	1	-	2	1	-	-	1	-	-	-	-	-	-	1	2
CO4	3	1	-	3		-	1	-	-	2	-	-	-	-	-	1	2
CO5	3	-	-	3	2	-	-	-	-	2	-	-	-	1	-	1	2
Average	3	1	1	3	2	1	1	-	1	2	1	-	-	1	-	1	2

**3 Strong;2 Medium;1 Low “-“ No Correlation**

Instruction Hours/week: L:4 T:0 P:0

Marks: Internal:40 External:60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

- Basic understanding of financial concepts and decision-making

**COURSE OBJECTIVES (CO):**

- Acquire knowledge on Investment Banking Operations.
- Gain insight into services offered by Investment Banks.
- Understand the risks and market data providers associated with investment banking.

**COURSE OUTCOMES(COS):**

Upon completion of this course, the students will be able to:

Cos	Course Outcomes	Blooms Level
CO1	Perform advanced calculation, generate outputs, create variables, and abstract from data using Python.	Analyze
CO2	Learn Python models and techniques that aid in the design, analysis, and evaluation of financial decision-making.	Evaluate
CO3	Learn and implement advanced machine learning models in finance using Python.	Apply
CO4	Create Excel, web, and GUI-based designs for trading platforms to support analytics.	Create
CO5	Attain a broad understanding of the principles of quantitative evidence-based financial decision-making.	Understand

**UNIT I: PYTHON AND FINANCE****9 HOURS**

Python History of Python Python Ecosystem Technology in Finance Rise of Real Time Analytics Finance and Python Syntax Efficiency and Productivity Through Python From Prototyping to Production Python Deployment Anaconda IPython Spyder Algorithmic Trading Python for Algorithmic Trading Machine and Deep Learning

**UNIT II: WORKING WITH FINANCIAL DATA****9 HOURS**

Reading Financial Data from Different Sources Working with Open Data Sources Retrieving Historical Structured Data Retrieving Historical Unstructured Data Storing Financial Data Efficiently The process of algorithmic trading Moving averages Technical analysis techniques Crossovers Pairs trading Data Visualization Two Dimensional Plotting One Dimensional Data Set Two Dimensional Data Set Other Plot Styles Financial Plots Financial Data Regression Analysis

**UNIT III: MODELS AND CONCEPTS****10 HOURS**

Supervised Learning Models: An Overview Linear Regression Ordinary Least Squares Regularized Regression Logistic Regression K Nearest Neighbors Linear Discriminant Analysis Classification and Regression Trees Ensemble Models ANN Based Models ANN using sklearn Using ANNs for supervised learning in finance Model Performance Overfitting and Underfitting Cross Validation Evaluation Metrics Unsupervised Learning: Dimensionality Reduction Clustering Techniques k means Clustering

**UNIT IV: ADVANCED MACHINE LEARNING MODELS IN FINANCE****10 HOURS**

Investigating advanced classifiers Random Forest Gradient Boosted Trees XGBoost Using stacking for improved performance Investigating the feature importance Investigating different approaches to handling imbalanced data Undersampling Oversampling SMOTE Bayesian hyperparameter optimization

**UNIT V: FINANCIAL ANALYTICS AND DEVELOPMENT****10 HOURS**

Excel Integration Basic Spreadsheet Interaction Scripting Excel with Python Object Orientation and Graphical User Interfaces Object Orientation Basics of Python Classes Simple Short Rate Class Cash Flow Series Class Graphical User Interfaces Short Rate Class with GUI Updating of Values Cash Flow Series Class with GUI Web Integration Web Basics Web Plotting Static Plots Interactive Plots Real Time Plots Rapid Web Applications Web Services

**TOTAL 48 HOURS****TEXT BOOKS:**

1. Hilpisch, Y (2020) Python for Algorithmic Trading United States: O'Reilly Media
2. Fletcher, S, Gardner, C (2010) Financial Modelling in Python Germany: Wiley
3. Naik, K (2019) Hands On Python for Finance: A Practical Guide to Implementing Financial Analysis Strategies Using Python United Kingdom: Packt Publishing
4. Molin, S (2019) Hands On Data Analysis with Pandas: Efficiently Perform Data Collection, Wrangling, Analysis, and Visualization Using Python United Kingdom: Packt Publishing
5. Lewinson, E (2020) Python for Finance Cookbook: Over 50 Recipes for Applying Modern Python Libraries to Financial Data Analysis United Kingdom: Packt Publishing

**REFERENCE BOOKS:**

1. Lookabaugh, B, Tatsat, H, Puri, S (2020) Machine Learning and Data Science Blueprints for Finance China: O'Reilly Media
2. Machine Learning using Python, by U Dinesh Kumar Manaranjan Pradhan, Wiley
3. Hilpisch, Y (2014) Python for Finance: Analyze Big Financial Data United States: O'Reilly Media

**WEBSITES:**

1. <https://towardsdatascience.com/python-for-finance-the-complete-beginners-guide-764276d74cef>
2. <https://pythonforfinancenet/>
3. <https://github.com/yhilpisch/py4fi>

### CO, PO, PSO Mapping

COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5	PSO 1	PSO 2
CO1	3	-	-	-	-	-	-	-	3	-	3	-	-	-	2	1	2
CO2	3	-	-	-	2	-	-	-	3	-	-	-	-	-	2	1	2
CO3	3	-	-	-	-	-	-	-	3	-	3	-	-	-	2	1	2
CO4	3	-	-	-	2	-	-	-	-	-	3	-	-	-	-	1	2
CO5	3	-	-	-	-	-	-	-	3	-	3	1	-	-	-	1	2
Average	3	-	-	-	2	-	-	-	3	-	3	1	-	-	2	1	2

**3 Strong; 2 Medium; 1 Low, “-“ No Correlation**



Instruction Hours/week: L:0 T:0 P:12

Marks: Internal:100 External: - Total:100

End Semester Exam: - Hours

**PREREQUISITE:**

- Basic knowledge of research methodologies and statistical concepts.

**COURSE OBJECTIVES(CO):**

- Choose the appropriate research problem and sampling technique.
- Construct instruments for data collection.
- Carry out statistical analysis and write interpretations.

**COURSE OUTCOMES(COS):**

Upon completion of this course, the students will be able to:

Cos	Course Outcomes	BloomsLevel
CO1	Choose the right problem of the study & to choose right Sampling technique	Understand
CO2	Construct instrument for data collection	Create
CO3	Carryout their statistical analysis	Analyze
CO4	Write the interpretation for statistical analysis	Evaluate
CO5	Draft their project report	Create

The students should select a problem in Accounting, Finance, Marketing or any other areas related to commerce

Report should contain

- ❖ Introduction
  - Introduction about the industry
  - Introduction about the Company
  - Review of literature–Minimum10 papers from referred journal
  - Need for the Study
  - Objectives
- ❖ Research Methodology
  - Research Design
  - Sampling Design
  - Sources of Data Collection
  - Tools used for analysis

- Limitation
- ❖ Data analysis and interpretation
- ❖ Findings and Suggestions
- ❖ Conclusion
- ❖ Bibliography (APA format)

### CO, PO, PSO Mapping

Cos	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5	PSO 1	PSO 2
CO1	3	-	1	2	3	-	-	-	1	-	-	-	-	-	-	1	2
CO2	3	1	-	-	3	1	-	-	-	1	-	-	-	-	-	1	2
CO3	3	-	-	2	3	3	-	1	-	-	1	-	-	-	2	1	2
CO4	3	-	1	2	3	-	-	-	1	-	-	-	-	-	-	1	2
CO5	3	1	-	-	-	-	-	-	-	-	1	-	-	1	-	1	2
Average	3	1	1	2	3	2	-	1	1	1	1	-	-	1	2	1	2

**3 Strong;2 Medium;1 Low “-“ No correlation**

**PREREQUISITE:**

- Basic understanding of financial principles and global economics.

**COURSE OBJECTIVES(CO):**

- Gain fundamental knowledge of international finance.
- Understand the concept of exchange rate mechanisms and their determination.
- Comprehend the role and function of the International Monetary Fund (IMF) and the World Bank.

**COURSE OUTCOMES(COS):**

Upon completion of this course, the students will be able to:

<b>COs</b>	<b>Course Outcomes</b>	<b>Blooms Level</b>
CO1	Gain fundamental knowledge on international finance	Understand
CO2	Understand the concept of exchange rate mechanism and determination	Understand
CO3	Comprehend the role and function of international monetary fund and world bank	Understand
CO4	Grasp knowledge on regulatory and supervisory framework of International financial markets	Apply
CO5	Understand on foreign exchange dealings and risk management	Apply

**UNIT I: FUNDAMENTALS OF FOREIGN EXCHANGE**

**13 HOURS**

Need for foreign exchange Definitions International trade and foreign exchange Gains from international trade International finance Gains from international capitalflow Globalizationofmarkets

**UNIT II: EXCHANGE RATE MECHANISM**

**14 HOURS**

Typesof exchange rates Factorsaffecting exchange ratesand forward rates Types of quotation Rules for quoting exchange rate regime in India Evolution, Development and Present status Theories of exchange rate determination Exchange rate forecasting

**UNIT III: INTERNATIONAL MONETARY SYSTEM**

**15 HOURS**

Gold Standard Bretton Wood Systemand SubsequentInternational Monetary Developments Floating Rate Regime Role and Functions ofInternational Monetary Fund and World Bank European Monetary system and EuroBalance of Payment India’s Balance of Payment position

Elements of open Economy Capital and Current Account Convertibility Fundamental parity relations purchasing power parity covered and uncovered Interest Rate parity International Fisher Effect

**UNIT IV: INTERNATIONAL FINANCIAL MARKETS 15 HOURS**

Segments, Participants and Dealing Procedures Classification of Markets Borrowing and Investing in International Financial Markets Instruments and Institutions Foreign Exchange Market in India Evolution and Development Major Centres Classification Interbank and Customer Markets Regulatory and Supervisory Framework Role of RBI and FEDAI FEMA and Exchange Control Regulations

**UNIT V: FOREIGN EXCHANGE RISK MANAGEMENT 15 HOURS**

Defining and Measuring Risk and Exposure Types of Exposures Accounting of Foreign Exchange Transactions Hedging, arbitrage and Cover Operations Hedging with Foreign Exchange Contracts Booking, Early Delivery, Extension and Cancellation of Forward Contracts Inter Bank Dealings Swaps and Cover Operations Forex and Money Market Operations Currency and Funds Position Foreign Exchange Dealings and Risk Management Risk Control and Risk Management System Hedging with Derivatives FRAs Swaps Futures and Options

**TOTAL 72 HOURS**

**TEXT BOOKS:**

- 1 . Madura J (2020) , International Financial Management (13<sup>th</sup> ed) Cengage Learning.
- 2 . levi, M.D (2009) International Finance (5<sup>th</sup> ed). Routledge

**REFERENCE BOOKS:**

1. Apte (2020), International Financial Management, 8th Edition, Mc Graw Hill, New Delhi Bhalla VK (2014), International Financial Management – Text and Cases, SChand, New Delhi
2. Steve Suranovic (2010), International Finance: Theory and Policy, Saylor Foundation, Washington
3. Rajiv Srivastava(2014), International Finance, Oxford University Press, New Delhi
4. Somanath, VS (2011), International Financial M.anagement, IK International Publishing House Pvt Ltd, New Delhi

**WEBSITES:**

1. [www.imf.org](http://www.imf.org)
2. [www.worldbank.org](http://www.worldbank.org)
3. [www.investopedia.com](http://www.investopedia.com)

## CO, PO, PSO Mapping

Cos	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5	PSO 1	PSO 2
CO1	3	-	3	-	2	-	-	-	-	-	-	-	-	-	-	1	2
CO2	3	-	3	-	2	-	-	-	-	-	-	-	-	-	-	1	2
CO3	3	-	3	2	-	-	-	-	2	-	-	2	-	-	-	1	2
CO4	3	-	3	2	-	-	-	-	2	-	-	2	-	-	-	1	2
CO5	3	-	3	2	2	-	-	-	2	-	-	2	-	-	-	1	2
Average	3	-	3	2	2	-	-	-	2	-	-	2	-	-	-	1	2

**3 Strong; 2 Medium;1 Low; “-“ No correlation**

Instruction Hours/week: L:6 T:0 P:0

Marks: Internal:40 External: 60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

- Basic understanding of research methodologies and statistical analysis.

**COURSE OBJECTIVES (CO):**

- Analyze the research problem and design a blueprint to capture and analyze data using appropriate statistical techniques.
- Critically formulate the research and sampling designs suitable for the problem.
- Design a report that communicates findings and suggestions for informed business decisions.

**COURSE OUTCOMES(COS):**

Upon completion of this course, the students will be able to:

Cos	Course Outcomes	Blooms Level
CO1	Analyse the research problem and design the blue print to Capture data and analyse the same using appropriate statistical techniques and apply the learning lifelong	Analyze
CO2	Critically formulate the research design and sampling design Suitable for the problem	Apply
CO3	Communicate orally and written for the research problem, Research design, sampling techniques	Understand
CO4	Design are port to communicate the findings and suggestion To make business decision	Apply
CO5	Communicate in written form and prepare report to support decision making	Apply

**UNIT I: RESEARCH****13 Hours**

Meaning – Objectives – Types of Research – Significance of Research – Research Process – Criteria of Good Research – Identification of Research Problem – Research Design

**UNIT II: SAMPLING****14 Hours**

Meaning – Steps in Sample Design – Characteristics of a Good Sample Design – Determination of Sample Size – Sampling Techniques – Probability and Non-Probability Sampling – Sampling Error

**UNIT III: SOURCES OF DATA****15 Hours**

Methods of Data Collection – Primary Data – Interview Method – Observation Method–

Questionnaire–Schedule–Secondary Data–Processing of Data  
Editing– Coding Classification – Tabulation

**UNIT IV: ANALYSIS OF DATA**

**15 Hours**

Hypothesis – Characteristics – Concepts of Hypothesis – Null Hypothesis **Alternative Hypothesis Level** of Significance Test of Hypothesis **Type I** and **Type II** error – Chi square test – t test – F test – ANOVA – Scaling Techniques

**UNIT V: INTERPRETATION AND REPORT WRITING**

**15 Hours**

Interpretation – Meaning – Technique of Interpretation, Precautions – Report Writing Steps in Writing Report – Types of Reports – Technical and Popular Report – Oral Presentation – Precaution for Writing Research Reports

**TOTAL 72 HOURS**

**Note: The question paper shall cover 80% theory and 20% problem**

**TEXT BOOKS:**

1. **Donald Cooper and Pamela Schindler (2017)**, Business Research Methods, 11<sup>th</sup> Edition, McGraw Hill education, New Delhi
2. **Zikmund William G etal (2016)**, Business Research Methods, Cengage India, New Delhi
3. **Mark NK Saunders, Philip Lewis, Adrian Thornhill (2015)**, Research Methods for Business Students, 7<sup>th</sup> Edition, Pearson Education, New Delhi

**REFERENCE BOOKS:**

1. **Dr.R.Velmurugan and Dr.M.Suryakumar (2019)**, Text Book on Research Methodology, Karpagam Publications, Coimbatore
2. **C R Kothari, Gaurav Garg(2018)**, Research Methodology, Fourth Edition, New Age International Publishers, New Delhi
3. **Uma Sekaran, Roger Bougie(2018)**, Research Methods for Business: A Skill Building Approach, 7th edition, Wiley, New Delhi

**WEBSITES:**

1. [https://swayamgovin/nd2\\_cec20\\_hs17/preview](https://swayamgovin/nd2_cec20_hs17/preview)
2. [https://swayamgovin/nd2\\_arp19\\_ap72/preview](https://swayamgovin/nd2_arp19_ap72/preview)

### CO, PO, PSO Mapping

Cos	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5	PSO 1	PSO 2
CO1	3	-	1	-	-	3	-	-	-	-	1	-	-	-	1	2	1
CO2	3	-	1	-	-	3	-	-	-	-	-	-	-	-		1	2
CO3	3	2	-	-	-	3	-	-	-	-	-	-	-	-	2	1	2
CO4	3	2	-	2	-	3	-	-	-	-	-	-	-	-	2	1	2
CO5	3	2	-	1	-	3	-	-	-	-	-	-	-	-		1	2
Average	3	2	1	1.5	-	3	-	-	-	-	1	-	-	-	1.6	1.2	1.8

**3 Strong;2 Medium;1 Low; “-“ No correlation**



Instruction Hours/week: L:6 T:0 P:0

Marks: Internal:40 External: 60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

- Basic knowledge of business management and international economics.

**COURSE OBJECTIVES(CO):**

- Understand the mechanisms and regulatory frameworks governing global business operations and foreign transactions.
- Analyze the challenges and strategies involved in import, export, and international trade logistics.
- Explore international tendering, subcontracting processes, and their implications for global business ventures.

**COURSE OUTCOMES(COS):**

Upon completion of this course, the students will be able to:

Cos	Course Outcomes	Blooms Level
CO1	Get an overview of functioning of global business and foreign transactions	Evaluate
CO2	Get an exposure to the students on various issues concerned with import and export	Understand
CO3	Learn about international tendering and subcontracting	Understand
CO4	Know international trade policies of India	Understand
CO5	Know the trends in international trade	Apply

**UNIT I: WORLD ECONOMY****14 Hours**

Global Interdependence Multinational Banks & Insurance –Policies & Nationalism, International Marketing & Law Balance of Trade Balance of Payments Globalization and market effects of Tariffs and Quotas

**UNIT II: IDENTIFICATION OF EXPORT MARKETS****15 Hours**

Organizing for Exports entry conditions Pricing Export Promotion councils – commodity boards – Registration procedures – types of exporters Export cargo insurance

**UNIT III: INTERNATIONAL TENDERING & SUBCONTRACTING****15 Hours**

Product development & export pricing sale and payment terms in a trade contract settlement of trade disputes protection against risk in foreign trade role of ECGC various guarantee schemes of ECGC Financing foreign trade

**UNIT IV: INDIA'S TRADE POLICIES****14 Hours**

Trade policies in the context of WTO Export Import Procedures Documentation

**UNIT V: INDIA'S FOREIGN TRADE TRENDS****14 Hours**Balance of payments crisis and solutions –Liberalisation in the 1990's trade policy package  
policy on foreign direct investments fiscal aspects rupee convertibility**TOTAL 72 HOURS****TEXT BOOKS:**

1. Kruman, P R , (2018) International Economics : Theory and Policy (11<sup>TH</sup> ed), pearson
2. Hill C.W.L (2021) International Business : competing in the Global Marketplace (13<sup>th</sup> ed).McGraw-Hill education.

**REFERENCE BOOKS;**

1. Kripalani, VH (2010), International Marketing, New Delhi, Prentice Hall
2. Varshney RL, &Bhattacharya B (2001), International Marketing Management, New Delhi, Sultan Chand
3. VergheseSK (2008), Foreign Exchange &Financing of Foreign Trade, New Delhi, Vikas

**WEBSITES:**

1. [www.wto.org](http://www.wto.org)
2. [www.intracen.org](http://www.intracen.org)
3. [www.unctd.org](http://www.unctd.org)
4. [www.tradefinanceglobal.com](http://www.tradefinanceglobal.com)

**CO, PO, PSO Mapping**

Cos	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PO 15	PS O1	PS O2
CO1	3	1	1	1	-	3	-	-	-	1	-	1	-	-	1	1	1
CO2	3	-	-	1	-	3	-	-	-	1	-	1	-	-	-	1	2
CO3	3	1	-	-	-	3	-	-	-	1	-	1	-	-	-	2	2
CO4	3	1	-	-	-	3	-	-	-	1	-	1	-	-	-	1	2
CO5	3	-	1	-	-	3	-	-	-	1	-	1	-	-	-	1	2
Average	3	1	1	1	-	3	-	-	-	1	-	1	-	-	1	1.2	1.8

**3 Strong;2 Medium;1 Low; “-“ No Correlation**

Instruction Hours/week: L:6 T:0 P:0

Marks: Internal:40 External: 60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

- Basic Knowledge of Management and Human Resource Management

**COURSE OBJECTIVES(CO):**

- Understand the foundational concepts and significance of organizational behavior in the modern workplace.
- Analyze and develop positive attitudes and approaches toward organizational culture and dynamics.
- Enhance students' understanding of personality traits, motivation theories, and their impact on workplace performance.

**COURSE OUTCOMES(COS):**

Upon completion of this course, the students will be able to:

Cos	Course Outcomes	BloomsLevel
CO1	Gain knowledge on basic aspects of organizational behaviour in current scenario	Understand
CO2	Learn approaches of the organization	Understand
CO3	Understand personality and motivation	Understand
CO4	Gain an understanding of organizational structure and change	Understand
CO5	Improve their ability in leadership and communication	Understand

**UNIT I: INTRODUCTION TO ORGANIZATIONAL BEHAVIOUR****14 Hours**

Definition, nature and importance of Organizational behaviour, historical background of organizational behaviour, relationship between Organizational behaviour and the individual, theoretical framework (Cognitive, behaviouristic and cognitive) limitations of Organizational behaviour

**UNIT II: PERCEPTION, ATTITUDES AND VALUES****15 Hours**

Perception importance and factors influencing perception, interpersonal perception Learning – classical, operant & social cognitive approaches, managerial implications Emotions – emotional intelligence – Attitudes – values and attitudes, behaviour relationship – sources, importance, components of attitude, relationship between behaviour and attitude, job attitude, barriers to change attitude

**UNIT III: PERSONALITY AND MOTIVATION THEORIES****15 Hours**

Personality – types factors influencing personality theories – trait theories – the big five personality model, significant personality traits suitable to the workplace (personality & job fit theory) personality test & their practical applications Motivation – definition & concept of

motive & motivation, the content theories of motivation (Maslow & Hierarchy and Herzerg's two factor model theory), the process theories (Vrooms expectancy and porter and lawler model) contemporary theories – equity theory of work motivation

#### **UNIT IV: ORGANIZATIONAL STRUCTURE**

**14 Hours**

Organizational structure formation – groups in organizations influence group dynamics  
Organizational change – meaning and definition and nature of organizational change, types of organizational change forces that act as stimulants to change, how to overcome the resistance to change, approaches to organizational change, Kurt Lewins three step model, Kottlers 8 steps plan for implementing change

#### **UNIT V: LEADERSHIP APPROACHES**

**14 Hours**

Leadership – concept of leadership, styles and trait approach, contingency approach, contemporary leadership, meaning and significance of contemporary leadership  
Communication – communication, function, process, barriers, forms  
Stress management – stressors in work place, individual differences an experiencing stress – managing workplace stress

**TOTAL 72 HOURS**

#### **TEXT BOOKS:**

1. Pardeshi P C Organizational Behaviour, Everest Publication
2. Prasad, Organizational Behaviour, Sultan Chand & Sons, New Delhi
3. Robbins&Stephen, Organizational Behaviour, Pearson Publication
4. Sekaran, Organizational Behaviour, Text & Cases Tata McGraw Hill
5. Uma Sekaran, Organizational Behaviour, Tata McGraw Hill

#### **REFERENCE BOOKS:**

1. Aswathappa, Organizational Behaviour, Himalaya Publishing House, Mumbai
2. Ghanekar, Anjali, Organizational Behaviour, Everest Publication
3. Mishra, Organizational Behaviour, Vikas Publishing House Pvt Ltd, New Delhi

#### **WEBSITES:**

1. [www.library.cbc.edu.in](http://www.library.cbc.edu.in)
2. [www.onlinelibrary.wiley.com](http://www.onlinelibrary.wiley.com)
3. [Onlinecourses.nptel.ac.in/organizational.behaviour](http://Onlinecourses.nptel.ac.in/organizational.behaviour)

## CO, PO, PSO Mapping

Cos	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PO 15	PS O1	PS O2
CO1	2	1	1	1	-	3	-	-	-	1	-	1	-	-	1	1	1
CO2	2	-	-	1	-	3	-	-	-	1	-	1	-	-	-	1	2
CO3	2	1	-	-	-	3	-	-	-	1	-	1	-	-	-	1	2
CO4	2	1	-	-	-	3	-	-	-	1	-	1	-	-	-	1	2
CO5	2	-	1	-	-	3	-	-	-	1	-	1	-	-	-	1	2
Average	2	1	1	1	-	3	-	-	-	1	-	1	-	-	1	1	1.8

**3 Strong;2 Medium;1 Low; “-“ No Correlation**

Instruction Hours/week: L:0 T:0 P:6

Marks: Internal:40 External: 60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

- Fundamental knowledge of statistics and basic data analysis techniques.

**COURSE OBJECTIVES(CO):**

- Gain proficiency in understanding and applying descriptive analytical tools to analyze data sets effectively.
- Develop the ability to utilize and apply univariate tools for in-depth data analysis.
- Comprehend and implement bivariate analysis techniques for exploring relationships between variables.

**COURSE OUTCOMES(COS):**

Upon completion of this course, the students will be able to:

Cos	Course Outcomes	BloomsLevel
CO1	Create data sheet and enter the data and compute descriptive Statistics	Analyze
CO2	Perform univariate and bivariate analysis in the software Package	Analyze
CO3	Perform multivariate analysis in the software package	Analyze
CO4	Demonstrate capabilities of problem solving, critical thinking, and communication skills to infer the output	Apply
CO5	Understand various quantitative techniques	Understand

**EXERCISES**

1.	Simple Frequency	8 Hours
2.	DescriptiveStatistics	8 Hours
3.	Analysis of Variance (ANOVA)	8 Hours
4.	Independent_t'test	8 Hours
5.	Paired_t'test	8 Hours
6.	Correlation	8 Hours
7.	Regression	8 Hours
8.	Garrett RankingTechniques	16 Hours

**TOTAL 72 HOURS**

**TEXT BOOKS:**

1. Pallant. J (2020), SPSS Survival manual: A Step-by-Step guide to data analysis using IBM SPSS., Routledge
2. Cronk B C (2019)., How to use SPSS : A step by step guide to analysis and interpretation (11<sup>th</sup> edn) ., Routledge

**REFERENCE BOOKS:**

1. Andy Field (2005), Discovering Statistics using SPSS, Sage Publications Ltd, New Delhi
2. Sabine Landan and Brian S Everitt (2003), A Handbook of Statistical Analysis using SPSS, Chapman and Hall, United Kingdom

**WEBSITES:**

1. <https://www.ibm.com/analytics/spss-statistics-software>
2. <https://statistics.laerd.com>
3. <https://www.coursera.org/courses?query=spss>

**CO, PO, PSO Mapping**

Cos	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5	PSO 1	PSO 2
CO1	-	-	-	3	2	-	-	-	-	1	-	-	-	-	-	2	1
CO2	-	-	-	3	2	2	-	-	-	1	-	-	-	-	-	1	2
CO3	-	-	-	3	2	2	-	-	-	1	-	-	-	-	-	1	2
CO4	-	1	1	3	-	-	-	-	1	-	-	-	-	-	-	1	2
CO5	1	-	-	3	-	2	-	-	1	-	-	-	-	-	-	1	2
Average	1	1	1	-	2	2	-	-	-	-	-	-	-	-	-	1.2	1.8

**3 Strong; 2 Medium;1 Low; “-“ No correlation**

Instruction Hours/week: L:6 T:0 P:0

Marks: Internal:40 External: 60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

- Basic understanding of business concepts and management principles.

**COURSE OBJECTIVES(CO):**

- Provide a comprehensive understanding of entrepreneurship, its scope, significance, and the essential skills required for success.
- Explore various types of business entities, their economic roles, and the managerial functions crucial for the success of small businesses.
- Gain insights into women entrepreneurship, focusing on economic empowerment, growth factors, challenges, and potential solutions.

**COURSE OUTCOMES(COS):**

At the end of this course, students will be able

Cos	Course Outcomes	Blooms Level
CO1	Gain a comprehensive understanding of entrepreneurship, including its scope, importance, and the skills required to be successful	Understand
CO2	Develop insights into different types of business entities, their economic roles, and the managerial functions necessary for small business success	Understand
CO3	Acquire knowledge about women entrepreneurship, including economic empowerment, growth factors, challenges, and potential solutions	Understand
CO4	Learn about sources of business ideas, feasibility studies, and the process of developing and presenting business plans or project proposals for external evaluation	Evaluate
CO5	Understand the role of government assistance and business incubation in promoting entrepreneurship, including types and benefits of business incubators and facilitators in India	Apply

**UNIT I: ENTREPRENEURSHIP****14 Hours**

Meaning, Scope and Importance of Entrepreneurship Evolution of entrepreneurial thought Entrepreneurship as a Career Option Functions of Entrepreneurs Entrepreneurial Characteristics and Skills Entrepreneur vs Manager Creativity & Creative Process Types of Entrepreneurs (Clarence Danhoff's Classification) Intrapreneurship – Concept and Types (Hans Scholl hammer's Classification) Entrepreneurship in different Contexts: Technopreneurship, cultural entrepreneurship, international entrepreneurship, Netpreneurship, Ecopreneurship, and social entrepreneurship



**UNIT II: TYPES OF BUSINESS ENTITIES****14 Hours**

Micro, Small and Medium Enterprises Concept of business groups and role of business houses and family business in India Values, business philosophy and behavioral orientations of family business in India – Procedure for Starting New Business in India Managerial roles and functions in small business Entrepreneur as the manager of his business

**UNIT III: WOMEN ENTREPRENEURSHIP: INTRODUCTION****14 Hours**

Concept Definition of Women Entrepreneur Economic Empowerment and Entrepreneurship Functions of Women Entrepreneurs Growth and Development of Women Entrepreneurship Areas for Development of Women Entrepreneurs Problems and Remedies of Women Entrepreneurs

**UNIT IV: SOURCES OF BUSINESS IDEAS AND FEASIBILITY STUDIES 15 Hours**

Sources of business ideas and tests of feasibility Significance of writing the business plan/ project proposal Contents of business plan/project proposal Designing business processes, location, layout, operation, planning & control; preparation of project report Project submission/ presentation and appraisal by external agencies financial/non financial

**UNIT V: GOVERNMENT ASSISTANCE FOR THE PROMOTION OF ENTREPRENEURSHIP BUSINESS INCUBATION****15 Hours**

Introduction Evolution of Business Incubators – Definition Historic Development of Business Incubators Establishing Business Incubator Types of Incubators Value Framework of Business Incubator Performance of Business Incubator in Industrially Developed Countries Business Incubator Successful Business Incubators and Facilitators in India Incubators help Start ups get Funding Role of Business Incubator in the Present Scenario – Startup – Standup Mudra – ASPIRE

**TOTAL 72 HOURS****TEXT BOOKS:**

1. Barringer, B. R., & Ireland, R. D. (2022). Entrepreneurship: Successfully launching new ventures (5th ed.). Pearson.
2. Schilling, M. A. (2021). Strategic management of technological innovation (7th ed.). McGraw-Hill Education.
3. Longenecker, J. G., Petty, J. W., Palich, L. E., & Hoy, F. (2020). Small business management: Launching and managing new ventures (19th ed.). Cengage Learning.

**REFERENCE BOOKS:**

1. Robert Hisrich and Michael Peters and Dean Shepherd (2018), Entrepreneurship, 10<sup>th</sup> Edition, McGraw Hill, New Delhi
2. David H. Holt (2016), Entrepreneurship, 1<sup>st</sup> Edition, Pearson Education, New Delhi
3. Sangeetha Sharma (2017), Entrepreneurship Development, PHI Learning Pvt Ltd, New Delhi
4. Poornima M, Charantimath (2018), Entrepreneurship Development and Small Business Enterprises, 3<sup>rd</sup> Edition, Pearson Education, New Delhi

**WEBSITES:**

Karpagam Academy of Higher Education (Deemed to be University), Coimbatore-641021||

1. <https://www.entrepreneur.com/>
2. <https://www.startupnation.com/>
3. <https://www.kauffman.org/>

### CO, PO, PSO Mapping

Cos	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5	PSO 1	PSO 2
CO1	3	-	2	-	-	-	-	-	1	-	-	-	-	2	2	2	1
CO2	3	-	-	1	2	-	1	-	-	-	1	-	-	-	2	1	2
CO3	3	-	2	-	2	-	-	-	1	-	-	-	1	-	2	1	2
CO4	3	1	-	1	2	-	-	-	-	1	1	-	-	2		1	2
CO5	3	-	2	-	-	1	-	1	-	1	-	-	-	2	2	1	2
Average	3	1	2	-	2	1	1	1	1	1	1	-	1	2	2	1.2	1.8

**3 Strong;2 Medium;1 Low; “- “ No Correlation**

Instruction Hours/week: L:6 T:0 P:0

Marks: Internal:40 External: 60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

- Basic understanding of computer science principles and internet technologies.

**COURSE OBJECTIVES(CO):**

- Introduce students to the fundamentals of electronic commerce, including its key components and business models.
- Provide essential knowledge about network infrastructure and its role in supporting electronic commerce systems.
- Educate students on security frameworks and directory services to ensure the safe and efficient operation of electronic commerce applications.

**COURSE OUTCOMES(COS):**

At the end of this course, students will be able

COs	Course Outcomes	BloomsLevel
CO1	Gain an introductory knowledge on electronic commerce	Understand
CO2	Describe about knowledge on Network Infrastructure	Understand
CO3	Gain applications knowledge on electronic commerce	Understand
CO4	Gain knowledge on security framework	Analyze
CO5	Gain essential knowledge on directory services	Apply

**UNIT I: INTRODUCTION TO E COMMERCE****14 Hours**

Electronic Commerce and its Benefits– Impact of Electronic Commerce – Classification of Electronic Commerce – Applications of Electronic Commerce Technologies – Business Models – Architectural Framework

**UNIT II: NETWORK INFRASTRUCTURE****14 Hours**

Network Infrastructure – Local Area Networks – Wide Area Network – Intranet, Extranet and Internet – TCP/IP Reference Model – Domain Name Systems – Internet Industry Structure Information Distribution and Messaging: File Transfer Protocol Applications – Electronic Mail – World Wide Web Server – HTTP – Web servers Implementations

**UNIT III: CONSUMER ORIENTED APPLICATIONS****14 Hours**

Consumer Oriented Application, Mercantile Models from the Consumer's perspective – Types of Electronic Payment System, Digital Token based Electronic Payment Systems, Smart Cards

Electronic Payments, and Designing Electronic Payment system

**UNIT IV: SECURING THE BUSINESS ON INTERNET** **15 Hours**

Security Policy, Procedures and Practices – Site Security – Protecting the Network – Firewalls – Securing the Web Service Security Network Transaction – Transaction Security – Cryptology – Cryptology Algorithms – Public Key Algorithm – Authentication Protocols – Digital Signatures – Electronic Mail Security – Security Protocols for Web Commerce

**UNIT V: SEARCH ENGINES AND DIRECTORY SERVICES** **15 Hours**

Search Engines and Directory Services – Information Directories – Internet Advertising – Electronic commerce Applications – Cyber Law – Introduction – Concept of Cyberspace – Cyber Law in electronic commerce contract Aspects – Electronic Governance – Drupal

**TOTAL 72 HOURS**

**TEXT BOOKS :**

1. Rayudu, C (2010) E Commerce and E Business Mumbai: Himalaya Publishing House
2. Rayport, & Jaworeski, B J (2009) Introduction to E Commerce Noida , UP: McGraw Hill Publishing Company Limited
3. Tomasi, W (2008) Electronic Communication Systems Fundamentals Through Advanced New Delhi: Pearson Education
4. Viswanathan, S (2012) The Indian Cyber Law New Delhi: Bharat Law House

**REFERENCE BOOKS :**

1. Bhasker, B (2017) Electronic Commerce Framework, Technologies and Applications New Delhi: McGraw Hill Educations
2. Jaiswal S (2000) E Commerce I (Electronic Communication for Business) New Delhi:
3. Kalakota, R, & Whinston, A B (2002) Frontiers of Electronic Commerce New Delhi: Pearson Education India

**WEBSITES:**

1. <https://www.nngroup.com/topic/ecommerce-usability/>
2. <https://www.practicalecommerce.com/>
3. <https://www.ecommercetimes.com/>
4. <https://www.bigcommerce.com/blog/>

### CO, PO, PSO, Mapping.

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PSO 1	PSO 2
CO1	3	-	-	-	2	-	-	-	-	2	-	-	-	-	1	1	2
CO2	3	-	1	-	2	-	-	-	-	-	-	-	-	-	-	1	2
CO3	3	-	-	1	-	-	-	-	-	2	-	-	-	-	-	1	2
CO4	3	-	-	-	2	-	-	1	-	-	-	-	-	-	1	1	2
CO5	3	-	-	-	-	1	-	-	-	2	-	-	-	-	-	1	2
Avg	3	-	1	1	2	1	-	1	-	2	-	-	-	-	1	1	2

**3 Strong;2 Medium;1 Low**

**Instruction Hours/week: L:6 T:0 P:0****Marks: Internal:40 External: 60 Total:100****End Semester Exam: 3 Hours****PREREQUISITE:**

- Basic understanding of business principles and management.

**COURSE OBJECTIVES(CO):**

- Gain knowledge of ethical practices in business and the social responsibilities of businesses, including Corporate Social Responsibility (CSR) and accountability.
- Understand professional ethics and ethical values across different cultures, and their impact on global business practices.
- Grasp vital concepts of Corporate Governance, including structures, policies, and practices that ensure accountability and transparency.

**COURSE OUTCOMES(COS):**

Upon completion of this course, the students will be able to:

<b>COs</b>	<b>Course Outcomes</b>	<b>BloomsLevel</b>
CO1	Understand vital concepts of Corporate Governance	Understand
CO2	Gain knowledge on ethical practices followed at business	Evaluate
CO3	Understand the professional ethics and ethical values of different cultures	Understand
CO4	Comprehend social responsibilities of business	Evaluate
CO5	Gain knowledge on Corporate Social Responsibility and Accountability	Understand

**UNIT I: CORPORATE GOVERNANCE****14 Hours**

Issues, need, corporate governance code, transparency & disclosure, role of auditors, board of directors and shareholders; Global issues of governance, accounting and regulatory frame work, corporate scams, committees in India and abroad, corporate social responsibility

**UNIT II: VALUES****14 Hours**

Importance, Sources of Value Systems, Types, Values, Loyalty and Ethical Behaviour, Values across Cultures; Business Ethics – Nature, Characteristics and Needs, Ethical Practices in Management

**UNIT III: THE ETHICAL VALUE SYSTEM****14 Hours**

Universalism, Utilitarianism, Distributive Justice, Social Contracts, Individual Freedom of Choice, Professional Codes; Culture and Ethics – Ethical Values in different Cultures, Culture and Individual Ethics

**UNIT IV: LAW AND ETHICS****15 Hours**

Relationship between Law and Ethics, Other Bodies in enforcing Ethical Business Behavior, Impact of Laws on Business Ethics; Social Responsibilities of Business – Environmental Protection, Fair Trade Practices, Fulfilling all National obligations under various Laws, Safeguarding Health and wellbeing of Customers

**UNITV: CORPORATE SOCIAL RESPONSIBILITY****15 Hours**

Introduction – System Concept of Business Society – Business and Society Relationship – Business Environment – Business in a Social World – Social Responsibility – Corporate Social Responsibility – Corporate Social Accountability – Social Responsibility Tools

**TOTAL 72 HOURS****TEXT BOOKS:**

1. D Murray : Ethics in Organizational, Kogan Page
2. S K Chakraborty : Values and Ethics in Organisation, OUP

**REFERENCE BOOKS:**

1. Balachandran (2011) Corporate Governance, Ethics and Social Responsibility Prentice Hall of India, Bangaluru
2. Kitson Alan Ethical Organisation, Palgrave, L T Hosmer: The Ethics of Management, Universal Book

**WEBSITE:**

1. [https://swayamgovin/nd2\\_ntr19\\_ge06/preview](https://swayamgovin/nd2_ntr19_ge06/preview)

**CO, PO, PSO Mapping**

Cos	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PO 15	PSO 1	PSO2
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CO2	2	-	2	-	-	-	-	2	-	-	-	-	-	-	-	1	2
CO3	-	-	-	3	3	-	3	-	-	-	3	-	-	-	-	1	2
CO4	-	-	-	-	-	3	-	-	2	-	-	-	-	2	-	1	2
CO5	2	-	-	-	3	3	-	-	-	-	-	-	-	-	-	1	2
Average	2	-	2	3	3	3	3	-	-	-	3	-	1	2	-	1	1.8

**3 – Strong, 2- Medium , 1 -Low “-“ No Correlation**

**Instruction Hours/week: L:6 T:0 P:0****Marks: Internal:40 External: 60 Total:100****End Semester Exam: 3 Hours****PREREQUISITE:**

- Basic understanding of accounting principles and auditing concepts.

**COURSE OBJECTIVES(CO):**

- Recall the concepts of audit and assurance, including professional ethics required for auditors and the scope of internal and external audits.
- Understand the entity and its environment, including audit risk and planning processes.
- Apply the organization's internal control system and conduct audit tests at various levels to assess accuracy and reliability.

**COURSE OUTCOMES(COS):**

Upon completion of this course, the students will be able to:

COs	Course Outcomes	Blooms Level
CO1	Recall the concepts of audit and assurance, the professional ethics required for auditors, and the scope of internal and external audits	Remembering
CO2	Understanding the entity and its environment, audit risk, audit planning	Understanding
CO3	Apply the organization's internal control system and conduct audit tests at various levels	Applying
CO4	Discover the financial condition of the organization through audit evidence and the audit report	Analyse
CO5	Analyze tangible assets, intangible assets, share capital, and reserves through the audit of specific items	Analyse

**UNIT I: AUDIT FRAMEWORK & REGULATION****14 Hours**

Concept of audit & assurance – professional ethics of an auditor – scope of internal & external audit – governance & audit

**UNIT II: AUDIT PLANNING & RISK ASSESSMENT****14 Hours**

Obtaining & planning for audit assignments – understanding the entity & its environment – assessing audit risk – fraud risk – interim audit and impact of work performed audit planning & documentation – audit evidence, documentation, working papers



### **UNIT III: INTERNAL CONTROL & AUDIT TESTS**

**14 Hours**

Internal control system assessment – control environment, risk assessment procedures, monitoring of controls – evaluation of internal control system by auditor – test of control – communication on internal controls Explain how auditors record internal control systems including the use of narrative notes, flowcharts and questionnaires

### **UNIT IV: AUDIT EVIDENCE & REPORTING**

**15 Hours**

Techniques of collecting audit evidence such as inspection, observation, external confirmation, recalculation, analytical procedures, and enquiry – quality & quantity of audit evidence – audit sampling – computer assisted auditing techniques – review procedures including subsequent events, going concern, written representations – auditor’s report contents & opinion Explain the overall objectives and importance of quality control procedures in concluding an audit Discuss the need for auditors to communicate with those charged with governance

### **UNIT V: AUDIT OF SPECIFIC ITEMS**

**15 Hours**

Audit of receivables, inventory, payables & accruals, bank & cash, tangible & intangible assets, share capital & reserves, directors’ remuneration – details of audit checks for these items and reporting thereof – use of management representation

**TOTAL 72 HOURS**

#### **TEXT BOOKS:**

1. Auditing and Assurance CA Megha Chandak
2. Audit and Assurance (International) 2010, Learning Media 1 st Edition

#### **REFERENCE BOOKS:**

1. Auditing and Assurance, Board of Studies, The Institute of Chartered Accountants of India ( Set up by an act of Parliament) New Delhi
2. Timothy J Louwers and Allen D Blay, Auditing and Assurance Services 7e, Mcrow Hill Education
3. Internal Audit and Assurance Standards, CMA P Raju Iyer and CMA Kushal Singupta The Institute of Cost and Accountants of India (ICAI)

#### **WEBSITES:**

- 1 . [www.deloitte.com](http://www.deloitte.com)
- 2 . [www.bdo.global](http://www.bdo.global)

## CO, PO, PSO Mapping

Cos	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PO 15	PS O1	PS O2
CO1	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	1
CO2	2	-	2	-	-	-	-	2	-	-	-	-	-	-	-	1	2
CO3	-	-	-	3	3	-	3	-	-	-	3	-	-	-	-	1	2
CO4	-	-	-	-	-	2	-	-	2	-	-	-	-	2	-	1	2
CO5	3	-	-	-	3	3	-	-	-	-	-	-	-	-	-	1	2
Average	2	-	2	-	3	2.5	3	-	-	-	3	-	1	2	-	1.2	1.8

**3 – Strong, 2- Medium , 1 -Low    “-“ No Correlation**

Instruction Hours/week: L:6 T:0 P:0

Marks: Internal:40 External: 60 Total:100

End Semester Exam: 3 Hours

**PREREQUISITE:**

- Basic understanding of insurance principles and risk management.

**COURSE OBJECTIVES(CO):**

- Understand the concept of risk, including its interpretations and the different types of business and personal risks.
- Apply principles of insurance pricing and marketing, including the tools and techniques used in pricing life and health insurance.
- Identify factors influencing insurance organizations, such as insurable interest, riders in policies, and the role of rural insurance.

**COURSE OUTCOMES(COS):**

Upon completion of this course, the students will be able to:

COs	Course Outcomes	Blooms Level
CO1	Understand the concept of risk, its interpretations, and the types of business and personal risks	Understand
CO2	Apply principles of insurance pricing and marketing, including tools and techniques used in pricing life and health insurance	Apply
CO3	Identify factors influencing insurance organizations, such as insurable interest, riders in policies, and the role of rural insurance	Evaluate
CO4	Design and develop insurance products, considering risk evaluation and future trends	Analyze
CO5	Analyze the impact of privatization and reforms in the Indian insurance industry on economic growth	Analyze

**UNIT I: RISK****14 Hours**

Introduction, interpretations of the term 'risk', types of business and personal risks, significance of the risk management function within business organizations. Insurance and Risk: Significance of insurance and risk, general structure of the insurance market, significant aspects of this industry.

**UNIT II: INSURANCE PRICING AND MARKETING****14 Hours**

Principles of insurance pricing and marketing, tools and techniques used in pricing individual life and health insurance. Financial management in insurance companies and Insurance Ombudsman: importance of financial management in insurance companies, tools for managing

expenses in insurance companies, modes used by insurance companies in channelizing their funds. Reinsurance: reinsurance in the insurance sector, areas of the application of reinsurance. Information technology in insurance: application of information technology in the insurance sector, role of information technology in insurance security, contours of the future of insurance in rural areas.

### **UNIT III: LIFE INSURANCE & NON LIFE INSURANCE**

**14 Hours**

Factors influencing the key functioning of insurance organizations: insurable interest, role of riders in insurance policies. Non-Life Insurance: Elements of fire insurance contracts and their ancillary features. Significance of marine insurance and its various policies, the role of rural insurance in improving lives in rural India. Non-Life Insurance II: Types of motor insurance policies, critical aspects of the aviation industry in the country, significance of liability insurance in India. Nomination – Assignment Functions and Organization of Insurers: Components of the distribution system of life insurance companies in the country, role of agents in the life insurance sector in India, important activities carried out in a life insurance organization.

### **UNIT IV: PRODUCT DESIGN AND DEVELOPMENT**

**15 Hours**

Product development in the life and non-life insurance sectors in India, the role of risk evaluation in insurance product formation, and future trends in insurance product design and development. Insurance Underwriting: The need for insurance underwriting, factors affecting underwriter activities, and steps involved in the insurance underwriting process. Claims Management: Factors affecting the insurance claim management system, types of documents needed for various claims, and the meaning of ‘Causa Proxima’ in insurance claim settlement. Human Life Values – Embedded Value – Actuarial Valuation.

### **UNIT V: REFORMS IN THE INDIAN INSURANCE INDUSTRY**

**15 Hours**

Importance of privatization in the insurance industry, problems associated with public insurance enterprises, and the relationship between insurance and economic growth. Regulations Relating to Insurance Accounting and Management: Framework for IRDA rules and regulations regarding general insurance investment in the country, the role of financial reporting in managing insurance operations, and the significance of determining solvency margins. Recent Guidelines of IRDA.

**TOTAL 72 HOURS**

#### **TEXT BOOKS:**

1. Dorfman (2013) ,Introduction to Risk Management and Insurance, Prentice Hall , ,NewDelhi
2. Indian Institute of Banking and Finance (2017), Risk Analysis, Insurance and Retirement Planning,Taxman Publications PvtLtd

#### **REFERENCE BOOKS:**

1. George E Rejda, Michael Mc Namara (2017), Principles of Risk Management and Insurance,13<sup>th</sup> Edition, Pearson Education, New Delhi
2. Scott Harrington and Gregory Niehaus (2017), Risk Management and Insurance, 2<sup>nd</sup> Edition, McGraw Hill, New Delhi

**WEBSITE:**

1. [https://www.coursera.org/learn/portfolio risk management](https://www.coursera.org/learn/portfolio-risk-management)

**CO, PO, PSO Mapping**

Cos	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5	PSO 1	PSO 2
CO1	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1	2
CO2	3	-	-	1	1	-	-	-	-	-	-	-	-	-	-	1	2
CO3	3	-	2	-	-	-	-	-	-	-	-	-	1	-	-	1	2
CO4	3	-	-	1	1	-	-	-	-	-	-	-	-	-	-	1	2
CO5	3	-	2	-	-	-	1	-	-	-	-	-	-	1	1	1	2
Average	3	-	2	-	1	-	1	-	-	-	-	-	1	1	1	1	2

**3 Strong;2 Medium;1 Low “-“No correlation**

**PREREQUISITE:**

- Basic understanding of research methodology and statistical concepts.

**COURSE OBJECTIVES(CO):**

- Choose an appropriate research problem and sampling technique.
- Construct effective data collection instruments.
- Perform statistical analysis and interpret the results accurately.

**COURSE OUTCOMES(COS):**

Upon completion of this course, the students will be able to:

COs	Course Outcomes	BloomsLevel
CO1	Choose the right problem of the study and the right sampling technique.	Understand
CO2	Construct an instrument for data collection.	Create
CO3	Carry out the statistical analysis.	Analyze
CO4	Write the interpretation for statistical analysis.	Evaluate
CO5	Draft the project report.	Create

The students should select a problem in Accounting, Finance, Marketing or any other areas related to commerce

**Report should contain**

- **Introduction**
  - Introduction about the industry
  - Introduction about the company
  - Review of literature – Minimum 10 papers from referred journals
  - Need for the study
  - Objectives
- **Research Methodology**
  - Research design
  - Sampling design
  - Sources of data collection
  - Tools used for analysis
  - Limitation
- **Data Analysis and Interpretation**

- Findings and Suggestions
- Conclusion
- Bibliography (APA format)

### CO, PO, PSO Mapping

Cos	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PO 15	PS O1	PS O2
CO1	3	-	3	1	-	3	1	-	3	3	1	1	1	-	1	1	2
CO2	3	-	-	1	1	3	-	-	3	3	-	-	-	-	-	1	2
CO3	3	-	3	-	-	3	-	-	3	3	-	-	-	-	-	1	2
CO4	3	-	3	-	-	3	-	-	3	-	-	-	-	-	-	1	2
CO5	3	-	3	-	-	3	-	-	3	3	-	-	-	-	1	1	2
Average	3	-	3	-	1	-	1	-	-	-	-	-	1	-	1	1	2

**3 Strong; 2 Medium; 1 Low; “-“ No Correlation**

