

Examination Reforms



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)

Pollachi Main Road, Eachanari Post, Coimbatore – 641 021, Tamil Nadu, India

info@kahedu.edu.in; registrar@kahedu.edu.in

www.kahedu.edu.in

Examination Reforms

Faculty of
Arts, Science, Commerce and Management



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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
Total		40

Practical Courses

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

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 × 2 = 20 Marks)
Part –B	Long Answer – 5 six mark questions ‘either – or’ type Answer ALL the Questions (5 × 6 = 30 Marks)
Part –C	Essay type Answer– 5 ten mark questions ‘either – or’ type Answer ALL the Questions (5 × 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 × 2 = 20 Marks)
Part – B	Long Answer – 5 six mark questions ‘either – or’ type Answer ALL the Questions (5 × 6 = 30 Marks)
Part – C	Essay type Answer– 5 ten mark questions ‘either – or’ type Answer ALL the Questions (5 × 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
Total		60

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:

Letter grade	Marks Range	Grade Point	Description
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 6th Semester Grade Sheet) GPA of a Semester and CGPA of a programme will be calculated as follows.

$$\text{GPA of a Semester} = \frac{\sum_i C_i G P_i}{\sum_i C_i} = \frac{\text{Sum of the product of the GP by the corresponding credits of the courses offered in that Semester}}{\text{Sum of the credits of the courses of that Semester}}$$

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

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

Sum of the credits of the courses of the entire programme

CGPA of the entire programme =

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

where,

C_i is the credit fixed for the course 'i' in any semester
G_{Pi} 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.

9. CLASS COMMITTEE

Every class shall have a Class Committee consisting of teachers of the class concerned, student representatives (Minimum two boys and 2 girls of various capabilities and Maximum of 6 students) and the HoD / senior faculty concerned as a Chairperson. The objective of the class committee Meeting is all about the teaching – learning process. The 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.
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.

10. REQUIREMENTS TO APPEAR FOR THE END SEMESTER EXAMINATION

- a. Every student is expected to attend all classes and secure 100% attendance. However, in order to allow for certain unavoidable circumstances, the student is expected to attend at least 75% of the classes and the conduct of the candidate should be satisfactory during the course.
- b. A candidate who has secured attendance between 65% and 74% (both included), due to medical reasons (Hospitalization / Accident /

Specific Illness) or due to participation in University / District / State / National / International level sports or due to participation in Seminar / Conference / Workshop / Training Programme / Voluntary Service / Startup Activity / Extension activities or similar programmes with prior permission from the Registrar 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 Dean to condone the shortage of attendance. The Head of Department has to verify and certify the genuineness of the case before recommending to the Dean concerned.

- 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.

11. PROCEDURE FOR AWARDING MARKS FOR INTERNAL ASSESSMENT

11.1. 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 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 every fortnight to respective Dean. 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.

- 11.2. Continuous Internal Assessment (CIA): The performance of students in each course will be continuously assessed by the respective faculty. Retest will be conducted and considered based on the requirements and recommendations by the Head of the Department. The guidelines for the Continuous Internal Assessment (CIA) are given below:

Theory Courses

S. No.	Category	Maximum Marks
1	Attendance	5
2	Test – I (2 ½ units)	10
3	Test – II (2 ½ units)	10
4	Journal Paper Analysis & Presentation*	15
Total		40

*Evaluated by two faculty members of the department concerned. Distribution of marks for one Journal paper analysis: Subject matter 5 marks, Communication/PPT Presentation 4 marks, Visual aid 2 marks and Question and Discussion 4 marks.

Practical Courses

S. No.	Category	Maximum Marks
1	Attendance	5
2	Observation work	5
3	Record work	5
4	Model practical examination	15
5	<i>Viva – voce</i> [Comprehensive]*	10
Total		40

* *Viva - voce* conducted during model practical examination.

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

11.3 Portions for Test Question Paper

Portions for Internal Test – I : 2 ½ Units

Portions for Internal Test – II : 2 ½ Units

11.4 Pattern of Test Question Paper

Theory Courses:

Maximum Marks : 100

Duration: 3 Hours

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

11.5 Attendance

Marks Distribution for Attendance

S. No.	Attendance (%)	Maximum Marks
1	91 and above	5.0
2	81 –90	4.0
3	76 –80	3.0
4	Less than or equal to 75	0

12. ESE EXAMINATIONS

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

Pattern of ESE Question Paper

Theory Courses:

Maximum Marks: 100

Duration: 3 Hours

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

The 100 Marks is converted to 60 Marks.

12.2 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
Total		60

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.

12.3. Evaluation of Project Work

12.3.1 The project shall carry a maximum marks as per (vide clause 6 (ii)). ESE will be a combined evaluation of Internal and External Examiners.

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

Guidelines to prepare the project report

- a. Cover page
- b. Bonafide certificate
- c. Declaration
- d. Acknowledgement
- e. Table of contents
- f. Chapters
 - Introduction
 - Aim and Objectives
 - Materials and Methods (Methodology)
 - Results (Analysis of Data) and Discussion (Interpretation)
 - Summary
 - References

12.3.3 The evaluation of the project will be based on the project report submitted and *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 COE. In case the supervisor is not available, the HoD shall act as an Internal Examiner.

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

If a candidate fails in the *viva-voce* examinations he/she has to resubmit the project report within 30 days from the date of declaration of the results. For this purpose the same Internal and External examiner shall evaluate the resubmitted report.

12.3.5 Copy of the approved project report after the successful completion of *viva voce* examinations shall be kept in the KAHE library.

13. PASSING REQUIREMENTS

13.1 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).

13.2 If a candidate fails to secure a pass in a particular course (either CIA or ESE or Both) as per clause 17.1, 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).

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

13.4 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.

13.5 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

14. IMPROVEMENT OF MARKS IN THE COURSE ALREADY PASSED

The Candidates desirous to improve the marks secured in a passed course 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.

15. AWARD OF LETTER GRADES

All 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:

Letter grade	Marks Range	Grade Point	Description
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

16. 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 corresponding grade obtained.
- 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.

GPA of a Semester and CGPA of a programme will be calculated as follows.

$$\text{GPA of a Semester} = \frac{\text{Sum of the product of the GP by the corresponding credits of the courses offered in that Semester}}{\text{Sum of the credits of the courses of that Semester}}$$

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

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

$$\text{CGPA of the entire programme} = \frac{\text{Sum of the product of the GP by the corresponding credits of the courses offered in that Semester}}{\text{Sum of the credits of the courses of that Semester}}$$

Sum of the credits of the courses of the entire programme

$$\text{i.e. CGPA of the entire programme} = \frac{\sum_n \sum_i C_{ni} GP_{ni}}{\sum_n \sum_i C_{ni}}$$

where,

C_i is the credit fixed for the course 'i' in any semester

GP_i 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.

17. REVALUATION

Candidate can apply for revaluation or retotaling 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. For the same, 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 revaluation and results will be intimated to the candidate through the HODs concerned. Revaluation is not permitted for supplementary theory courses.

18. TRANSPARENCY AND GRIEVANCE COMMITTEE

Revaluation and Re-totaling are allowed on representation (clause 18). Student may get the Xerox copy of the answer script on payment of prescribed fee, if he / she wish. 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; the marks awarded by the External examiner will be final. The student has to pay the prescribed fee for the same.

19. ELIGIBILITY FOR THE AWARD OF THE DEGREE

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

- Successfully completed all the components in clause 3 and gained the required number of total credits as specified in the curriculum corresponding to his / her Programme within the stipulated period.
- No pending disciplinary enquiry/ action against him/her.

- The award of the degree must be approved by the Board of Management.

20. CLASSIFICATION OF THE DEGREE AWARDED

- 20.1. Candidate who qualifies for the award of the Degree (vide clause 14) having passed the examination in all the courses in his / her first appearance, within the specified minimum number of semesters and securing a CGPA not less than 8.0 shall be declared to have passed the examination in First Class with Distinction.
- 20.2 Candidate who qualifies for the award of the Degree (vide clause 14) 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 First Class.
- 20.3 All other candidates (not covered in clauses 21.1 and 21.2) who qualify for the award of the degree (vide Clause 20) shall be declared to have passed the examination in Second Class.

21. RANKING

A candidate who qualifies for the PG 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 IV 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. The improved marks will not be taken into consideration for ranking.

22. 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.

23. DISCIPLINE

- 23.1. 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.

23.2. 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.

24. KAHE ENTRANCE EXAMINATION

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

25. 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.

Examination Reforms

Faculty of Engineering



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)

Pollachi Main Road, Eachanari Post, Coimbatore – 641 021, Tamil Nadu, India

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10.4 PROJECT WORK/ INTERNSHIPS:

Final year project work will be normally in-house. However, as a special case, if a student is able to get a project from a government organization or private or public sector company, the student may be permitted to do his/her project work in that institution/research organization/industry.

11 REQUIREMENTS FOR APPEARING FOR END SEMESTER EXAMINATION (ESE)

A candidate shall normally be permitted to appear for the ESE of any semester commencing from I semester if he/she has satisfied the semester completion requirements (Subject to Clause 5) and has registered for Examination in all courses of the semester. Registration is mandatory for Semester Examinations as well as arrear Examinations failing which the candidate will not be permitted to attend the next semester. A candidate already appeared for a course in a semester and passed the Examination is not entitled to reappear in the same course of the semester for improvement of grade.

12 END SEMESTER EXAMINATION

ESE will be held at the end of each semester for each course, for 100 marks, later scaled down to 60 marks.

PATTERN OF ESE QUESTION PAPER:

INSTRUCTION	REMARKS
Maximum Marks	100
Duration	3 Hours
Part – A	Question no. 1 to 10 Two Mark Questions, covering all the 5 units. (10 × 2 = 20 Marks)
Part- B	Question 11 to 15 will be of either or type, covering Five units of the syllabus. Each Question may have subdivision. (5 × 16 = 80 Marks).

13 PASSING REQUIREMENTS

13.1 Minimum marks to pass: The minimum marks to pass for CIA is 20 (i.e. out of 40 marks). The minimum marks to pass for ESE is 30 (i.e. out of 60 marks). The overall minimum marks to pass for theory/laboratory course is 50 (Sum of his/her score in CIA and ESE) out of 100 marks.

13.2 The minimum marks to pass for Value Added Course /Skill Development is 50 marks out of 100 marks. There will be two tests, the first covering 50% of syllabus for 50 marks and the other for 50 marks.

13.3 If the candidate fails to secure a pass in ESE of a particular course, it is mandatory that candidate shall register and reappear for the Examination in that course during the subsequent semester when Examination is conducted in that course. Further the candidate should continue to register and reappear for the Examination

till a pass is secured in such supplementary Examination within the stipulated maximum duration of the programme (Clause 5.1).

The CIA marks obtained by the candidate in his/her first or subsequent appearance were he/she secures a pass shall be retained by the office of the Controller of Examinations and considered valid for all remaining attempts till the candidate secures a pass in his/her ESE.

13.3 If the candidate fails to secure a pass in CIA of a particular course, it is mandatory that candidate shall register and reappear for the CIA in that course during the subsequent semester when CIA is conducted in that course by the faculty member assigned for that particular course during that semester by the concerned HOD. Further, the candidate should continue to register and reappear for the CIA till a pass is secured in such subsequent Examination within the stipulated maximum duration of the programme (Clause 5.1).

13.3.1 If a candidate fails to secure a pass in Value Added Course /Skill Development course, he/she has to appear for the tests when course is conducted subsequently.

13.4 CREDIT TRANSFER THROUGH MOOC

The MOOC coordinator shall assist the students for the online courses offered by the SWAYAM platform periodically and also monitor their course.

Open Elective Courses shall be considered for the credit transfer. Only courses available in SWAYAM platform (which are totally beyond the scope of the programme under consideration) shall be considered as open elective courses and get completed at any time within the duration of the Programme before the last semester. This is a mandatory requirement for completion of the programme. At least 2 Open Electives (3 credits each) to be completed for the credit transfer.

14 AWARD OF LETTER GRADES

14.1 All assessments of a course will be done on absolute mark 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 subject as detailed below:

Letter grade	Marks Range	Grade Point	Description
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
AB		0	ABSENT

14.2 GRADE SHEET

After results are declared, Grade sheet 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.

GPA is the ratio of the sum of the products of the number of Credits (C) of courses enrolled and the Grade Points (GP) corresponding to the grades scored in those courses, taken for all the courses to the sum of the number of credits of all the courses in the semester.

$$\text{GPA} = \frac{\text{Sum of [C*GP]}}{\text{sum of c}}$$

CGPA will be calculated in a similar manner, considering all the courses enrolled from First semester. RA grade and value added course will be excluded for calculating GPA and CGPA.

14.3 REVALUATION

Revaluation and Re-totalling are allowed on representation. A candidate can apply for revaluation of his/her semester Examination answer paper in a theory course, within 2 weeks from the declaration of results, on payment of a prescribed fee through proper application to the Controller of Examinations through the Head of the Department and Dean. A candidate can apply for revaluation of answer scripts for not exceeding 5 subjects at a time. The Controller of Examinations will arrange for the revaluation and the results will be intimated to the candidate through the Head of the Department and Dean. Revaluation is not permitted for Supplementary Examinations, Practical Examinations, Technical Seminars, In-plant Training and Project Work.

14.4 TRANSPARENCY AND GRIEVANCE COMMITTEE

A student may get the Photostat copy of the answer script on payment of prescribed fee, if he/she wishes. The students can 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 University), HoD of the Department concerned, the faculty of the course and Dean from other discipline nominated by the University and the CoE. If the Committee feels that the grievance is genuine, the script may be sent for external valuation; the marks awarded by the External Examiner will be final. The student has to pay prescribed fee for the same.

15 ELIGIBILITY FOR AWARD OF DEGREE

A student shall be declared to be eligible for award of Degree if he/she has

- Successfully gained the required number of total credits as specified in the curriculum corresponding to his/her programme within the stipulated time.

The award of the degree must be approved by the Board of Management of Karpagam Academy of Higher Education.

16 CLASSIFICATION OF THE DEGREE AWARDED

- 16.1 A candidate who qualifies for the award of the Degree (vide Clause 15) having passed the Examination in all the courses in his/her first appearance within the specified minimum number of semesters (vide Clause 5.1) securing a CGPA of not less than 7.5 shall be declared to have passed the Examination in First Class with Distinction.
- 16.2 A regular candidate or a lateral entrant is eligible to register for BE(Honors), B.Tech.(Honors). If, he / she has passed all the courses in the first appearance and holds / maintains a CGPA of 7.5 upto VIII Semester, he / she has to take an additional 20 credits by studying online courses through Swayam/NPTEL. Such a candidate is eligible for the award of BE(Honors), B.Tech.(Honors). However, if he / she fails in securing 20 additional credits but maintains CGPA of 8 and above is not eligible for Honors degree but eligible for First class with Distinction.
- 16.3 A candidate who qualifies for the award of the Degree (vide Clause 15) having passed the Examination in all the courses within the specified minimum number of semesters (vide Clause 5.1) plus one year (two semesters), securing CGPA of not less than 6.5 shall be declared to have passed the Examination in First Class.
- 16.3 All other candidates (not covered in Clauses 17.1 and 17.2) who qualify for the award of the degree (vide Clause 15) shall be declared to have passed the Examination in Second Class.

17 SUPPLEMENTARY ESE: After the publication of VIII semester results, if a student has ONE arrear in any theory course of the entire programme, he/she will be permitted to apply within 15 days of the publication of results, and appear for supplementary Examination.

18 DISCIPLINE

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

If a student indulges in malpractice in any of the ESE/CIA he/she shall be liable for punitive action as prescribed by the University from time to time.

19 ADVANCED LEARNERS, ON-DEMAND EXAMINATION

Students

1. Who secure 7.5 CGPA and maintain an attendance of 75% in every semester
2. 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.

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 permission 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 also register for online courses from NPTEL/SWAYAM/SWAYAM Plus portals on prior and proper approval from the department. The credits earned from those courses will be transferred to the mark statement of the students.

20 REVISION OF REGULATION AND CURRICULUM

The University may from time-to-time revise, amend or change the Regulations, Scheme of Examinations and syllabi, if found necessary on the recommendations of Board of Studies, Academic Council and Board of Management of Karpagam Academy of Higher Education.

21 CREDIT TRANSFER THROUGH ONLINE / 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 also be submitted for ratification/approval by the Academic Council. This shall be approved to be implemented from the even semester of the academic year 2024-25.

22 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.

21.1 Norms to Student Start-Ups

- a) Any (UG/PG / (Ph.D.) Research scholars, student, right from the first year of their programme 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 programme is allowed to earn

credit for working on Innovative prototypes/business Models/ Pre incubation(case to case basis). Start Up activities will be evaluated based on the guidelines being given by the expert committee of the KIIC

- c) Student Entrepreneurs may use the address of incubation center (KIIC) to register their venture while studying in KAHE.
- d) 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)
- e) 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.
- f) **Student's** startups are to be evaluated by Expert committee, formed by KIIC and KAHE.

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

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	

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.

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Part- A	1 to 9 Two Mark Questions, uniformly covering the two units of the syllabus. All the 9 Questions are to be answered. (9 × 2 =18Marks).
Part- B	Question 10 to 12 will be of either-or type, covering two units of the syllabus. Each Question may have subdivision. (3 × 14 =42 Marks).

PRACTICAL COURSES:

S. No	CATEGORY	MAXIMUM MARKS
1.	Attendance	5
2.	Observation work	5
3.	Record work	5
4.	Model examination	15
5.	Viva – voce [Comprehensive]	10
TOTAL		40

Every practical exercise / experiment shall be evaluated based on the conduct of exercise/ experiment and records maintained.

9.3 ATTENDANCE

MARKS DISTRIBUTION FOR ATTENDANCE

S. No.	Attendance %	Marks
1	91 and above	5.0
2	86-90	4.0
3	81-85	3.0
4	75-80	2.0
5	Less than 75	0

10. REQUIREMENTS FOR APPEARING FOR END SEMESTER EXAMINATION (ESE)

A candidate shall normally be permitted to appear for the ESE of any semester commencing from I semester if he/she has satisfied the semester completion requirements (Subject to Clause 5) and has registered for examination in all courses of the semester. Registration is mandatory for Semester Examinations as well as supplementary examinations failing which the candidate will not be permitted to move to the higher semester.

A candidate already appeared for a subject in a semester and passed the examination is not entitled to reappear in the same subject for improvement of grade.

11. END SEMESTER EXAMINATION

ESE will be held at the end of each semester for each subject, for 100 marks, later scaled down to 60 marks.

PATTERN OF ESE QUESTION PAPER:

INSTRUCTION	REMARKS
Maximum Marks	100 marks for all Semester Examinations.
Duration	3 Hours
Part - A	Part A will be online Examination. 20 Objective type Questions. Covering all the 5 units. $20 \times 1 = 20$ Marks (Online Examination)
Part- B	21 to 25 Two Mark Questions, uniformly covering the Five units of the syllabus. All the 5 Questions are to be answered. $(5 \times 2 = 10$ Marks).
Part- C	Question 26 to 30 will be of either-or type, covering Five units of the syllabus. Each Question may have subdivision. $(5 \times 14 = 70$ Marks)

12. PASSING REQUIREMENTS

12.1 Passing minimum: The passing minimum for CIA is 20 (i.e. out of 40 marks). The passing minimum for End Semester Examination is 30 (i.e. out of 60 marks).

The overall passing minimum for theory/laboratory course is 50 (Sum of his/her score in internal and external examination) out of 100 marks.

12.2 If the candidate fails to secure a pass in a particular course ESE, it is mandatory that candidate shall register and reappear for the examination in that course during the subsequent semester when examination is conducted in that course. Further, the candidate should continue to register and reappear for the examination till a pass is secured in such supplementary exam within the stipulated maximum duration of the programme (Clause 2.1).

The CIA marks obtained by the candidate in his/her first or subsequent appearance where he/she secures a pass shall be retained by the office of the Controller of Examinations and considered valid for all remaining attempts till the candidate secures a pass in his/her ESE.

12.3 If a candidate fails to secure a pass in a particular course CIA, it is mandatory that

candidate shall register and reappear for the CIA in that course during the subsequent semester when CIA is conducted in that course by the faculty member assigned for that particular course during that semester by the concerned HOD. Further, the candidate should continue to register and reappear for the CIA till a pass is secured in such supplementary exam within the stipulated maximum duration of the programme (Clause 2.1).

13. AWARD OF LETTER GRADES

13.1 All assessments of a course will be done on absolute mark 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 subject as detailed below:

Letter grade	Marks Range	Grade Point	Description
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
P	50 - 54	4	PASS
RA	<50	-	REAPPEARANCE
AB		0	ABSENT

13.2 GRADE SHEET

After results are declared, 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.

GPA is the ratio of the sum of the products of the number of Credits (C) of courses enrolled and the Grade Points (GP) corresponding to the grades scored in those courses, taken for all the courses to the sum of the number of credits of all the courses in the semester.

CGPA will be calculated in a similar manner, considering all the courses enrolled from first semester. RA grade will be excluded for calculating GPA and CGPA.

$$\text{GPA} = \frac{\text{Sum of [C * GP]}}{\text{Sum of C}}$$

13.3 REVALUATION

A candidate can apply for revaluation of his/her semester examination answer paper in a theory course, within 2 weeks from the declaration of results, on payment of a prescribed fee through proper application to the Controller of Examinations through the Head of the Department and Dean. A candidate can apply for revaluation of answer scripts for not exceeding 5 subjects at a time. The Controller of Examinations will arrange for the revaluation and the results will be intimated to the candidate through the Head of the Department and Dean. Revaluation is not permitted for Supplementary examination, Practical examination and Project Work.

14. ELIGIBILITY FOR AWARD OF DEGREE

A student shall be declared to be eligible for award of Degree if he/she has

- Successfully gained required number of total credits as specified in the curriculum corresponding to his/her programme within the stipulated time.
- No disciplinary action is pending against him/her.

The award of degree must be approved by the Board of Management of Karpagam Academy of Higher Education.

15. CLASSIFICATION OF THE DEGREE AWARDED

15.1 A candidate who qualifies for the award of the Degree (vide Clause 14) having passed the examination in all the courses in his/her first appearance within the specified minimum number of semesters (vide Clause 2.1) securing a CGPA of not less than 8.0 shall be declared to have passed the examination in First Class with Distinction.

15.2 A candidate who qualifies for the award of the Degree (vide Clause 14) having passed the examination in all the courses within the specified minimum number of semesters (vide Clause 2.1) plus one semester securing CGPA of not less than

6.5 shall be declared to have passed the examination in First Class. For this purpose, the withdrawal from examination (vide Clause 16) will not be construed as an appearance. Further, the authorized break of study (vide Clause 18) will not be counted for the purpose of classification.

15.3 All other candidates (not covered in Clauses 15.1 and 15.2) who qualify for the award of the degree (vide Clause 14) shall be declared to have passed the examination in Second Class.

16. PROVISION FOR WITHDRAWAL FROM END-SEMESTER EXAMINATION

16.1 A candidate may for valid reasons and on prior application, be granted permission to withdraw from appearing for the examination of any one course or consecutive examinations of more than one course in a semester examination. Withdrawal application shall be valid only if the candidate is otherwise eligible to write the examination.

16.2 Such withdrawal shall be permitted only once during the entire period of study of the degree programme.

16.3 Withdrawal application is valid only if it is made within 10 days prior to the commencement of the examination in that course or courses and recommended by the Head of the Department and Dean and approved by the Registrar.

16.3.1 Notwithstanding the requirement of mandatory TEN days' notice, applications for withdrawal for special cases under extraordinary conditions will be considered on the merit of the case.

16.4 Withdrawal shall not be construed as an appearance for the eligibility of a candidate for First Class with Distinction. This provision is not applicable to those who seek withdrawal during IV semester.

16.5 Withdrawal from the ESE is NOT applicable to supplementary courses.

16.6 The candidate shall reappear for the withdrawn courses during the examination conducted in the subsequent semester.

17. PROVISION FOR AUTHORISED BREAK OF STUDY

17.1 Break of Study shall be granted only once for valid reasons for a maximum of one year during the entire period of study of the degree programme. However, in extraordinary situation the candidate may apply for additional break of study not exceeding another one year by paying prescribed fee for break of study. If a candidate intends to temporarily

discontinue the programme in the middle of the semester for valid reasons and to rejoin the programme in a subsequent year, permission may be granted based on the merits of the case provided he/she applies to the Registrar, but not later than the last date for registering for the ESE of the semester in question, through the Head of the Department and Dean stating the reasons thereof and the probable date of rejoining the programme.

17.2 The candidate thus permitted to rejoin the programme after the break shall be governed by the curriculum and regulations in force at the time of rejoining. Such candidates may have to do additional courses, if any as per the curriculum and regulations in force at that period of time.

17.3 The authorized break of study (for a maximum of one year) will not be counted for the duration specified for passing all the courses for the purpose of classification (vide Clause 15). However, additional break of study granted will be counted for the purpose of classification.

17.4 The total period for completion of the programme reckoned from, the commencement of the first semester to which the candidate was admitted shall not exceed the maximum period specified in Clause 2.1 irrespective of the period of break of study (vide Clause 18.1) in order that he/she may be eligible for the award of the degree.

17.5 If any student is detained for want of requisite attendance, progress and good conduct, the period spent in that semester shall not be considered as permitted 'Withdrawal' or 'Break of Study' Clause 16 and 18 respectively is not applicable for this case.

18. SPECIAL SUPPLEMENTARY ESE

After the publication of IV semester results, if a student has an arrear in any theory course of the entire programme, he/she will be permitted to apply within 15 days of the publication of results, and appear for a special supplementary examination.

19. DISCIPLINE

Every student is required to observe disciplined and decorous behavior both inside and outside the Karpagam Academy of Higher Education and not to indulge in any activity which will tend to bring down the prestige of the Karpagam Academy of Higher Education. The erring student will be referred to the Disciplinary Committee constituted by the Karpagam Academy of Higher Education, to inquire into acts of indiscipline and

recommend to the Karpagam Academy of Higher Education about the disciplinary action to be taken. If a student indulges in malpractice in any of the CIA/ESE he/she shall be liable for punitive action as prescribed by the Karpagam Academy of Higher Education from time to time.

20. REVISION OF REGULATION AND CURRICULUM

The Karpagam Academy of Higher Education may from time to time revise, amend or change the Regulations, Scheme of Examinations and syllabi if found necessary on the recommendations of Board of Studies, Academic Council and Board of Management of Karpagam Academy of Higher Education.

PROGRAM OUTCOMES (PO):

Engineering Graduates will be able to:

PO1: An ability to independently carry out research /investigation and development work to solve practical problems.

PO2: An ability to write and present a substantial technical report/document.

PO3: Students should be able to demonstrate a degree of mastery over the area as per the specialization of the program. The mastery should be at a level higher than the requirements in the appropriate bachelor program

PO4: an ability to MAKE USE OF modern Electronic Design Automation (EDA) tools, software and hardware essential to analyse and interpret data and synthesis of information to provide valid conclusions.

PO5:an ability TO apply the knowledge of VLSI systems for professional practices and for sustainable development in VLSI industry

PO6: Design and develop solutions for problems in electronic system for societal applications through VLSI Integrated Circuits.

PROGRAMME SPECIFIC OUTCOMES(PSOs)

PSO 1: integrate skill sets of technical knowledge to emerging electronics and communication technologies and develop innovative solutions for existing and socio environmental problems

PSO 2: Design, develop and analyse collaborative projects with industries and organizations in multidisciplinary environments.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOS):

PEO 1: Be competent in implementation of electronics and VLSI design principles to develop socially and environmentally acceptable engineering solutions

PEO 2: Be aware of ethical conduct, societal responsibilities and the lifelong learning needed for a successful professional career in the fields that depend on Electronics and VLSI design

9.2.1 THEORY COURSES:

S. No.	CATEGORY	MAXIMUM MARKS
1.	Attendance	5
2.	CIA-I – Model exam- Written	10
3.	CIA- II- Viva / Review	10
3.	Physical Model	10
4.	Site Visit	5
Continuous Internal Assessment: TOTAL		40

9.2.2 PATTERN OF TEST QUESTION PAPER: (Theory courses)

INSTRUCTION	REMARKS
Maximum Marks	50 marks for all Tests
Duration	2 Hours
Part – A	Five-mark Questions (4 x 5 = 20 Marks); Choice: 4 out of 6
Part- B	Ten-mark Questions (3 x 10 = 30 Marks); Choice: 3 out of 5

9.2.3 STUDIO COURSES:

S. No	CATEGORY	MAXIMUM PERCENTAGE
1.	Internal Jury (5 Reviews)	35
2.	Attendance	5
Continuous Internal Assessment: TOTAL		40*

PRACTICAL COURSES:

S. No	CATEGORY	MAXIMUM PERCENTAGE
1.	Internal Jury (Exercise/sheet valuation) **	35
2.	Attendance	5
Continuous Internal Assessment: TOTAL		40*

* - proportionate increase for all categories will be based on the total marks allotted for Continuous Internal Assessment for the concerned course.

** - No of Exercise/Sheets depends on particular subject.

9.3 ATTENDANCE**Marks Distribution for Attendance**

S. No.	Attendance %	Marks
1	Between 91 % and 100%	5
2	Between 86 % and 90%	4
3	Between 81 % and 85%	3
4	Between 76 % and 80%	2
5	Less than 75 %	0

10. REQUIREMENTS FOR APPEARING FOR UNIVERSITY EXAMINATION

A candidate shall normally be permitted to appear for the University Examination of any semester commencing from I semester if he/she has satisfied the semester completion and attendance requirements and has registered for examination in all courses of the semester. Registration is mandatory for Semester Examinations as well as Arrears Examinations failing which the candidate will not be permitted to move to the higher semester. A candidate already appeared for subjects or any subject in a semester and passed the

examination is not entitled to reappear in the same subject or subjects of the semester for improvement of grades / marks.

11. END SEMESTER EXAMINATIONS

End Semester Examination (ESE): End Semester Examination will be held at the end of each semester for each subject, which consists of 100 marks later scaled down to 60marks.

11.1 PATTERN OF ESE QUESTION PAPER: (Theory courses)

INSTRUCTION	REMARKS
Maximum Marks	100 marks for all Semester Examinations.
Duration	3 Hours
Part – A	Six-mark Questions (5 x 6 =30 Marks); Choice: 5 out of 8.
Part- B	Fourteen-mark Questions (5 x 14 =70 Marks); Choice: either or type with two questions from every unit.

11.2 PATTERN OF ESE QUESTION PAPER: (Practical & Studio courses)

The ESE for practical and studio subjects shall be conducted as an examination and/or as a final jury (viva-voce) for marks as per scheme of examination (attached Annexure A) comprising external architect/related professionals with minimum 3 years' experience in practice or teaching.

12. PASSING REQUIREMENTS

12.1 Passing minimum: The passing minimum for CIA is 50% (i.e.,20 out of 40 marks). The passing minimum for ESE is 50% (i.e. 30 out of 60 marks). The overall passing minimum for every course is 50% i.e., 50 out of 100 marks (Sum of his/her score in internal and external examination).

12.2 If the candidate fails to secure a pass in a particular Theory course as per clause 12.1, it is mandatory that candidate shall register and reappear for the examination in the subsequent semester as an arrear when examination is conducted in that course. Further the candidate should continue to register and reappear for the examination till a **pass** is secured in End Semester Examination of such arrear subjects.

The Continuous Internal Assessment marks obtained by the candidate in the first appearance shall be retained by the Office of the Controller of Examinations and improved CIA marks may be considered for all subsequent attempts till the candidate secure a pass.

12.3 If the candidate fails to secure a pass in a particular Studio/Practical course as per clause 12.1, the candidate shall register and reappear for the examination in that course within 20days from day in which results are published. Further the candidate should continue to register and reappear for the examination till a **pass** is secured in End Semester Examination of such arrear subjects.

The Continuous Internal Assessment marks obtained by the candidate in the first appearance shall be retained by the Office of the Controller of Examinations and improved CIA marks may be considered for all subsequent attempts till the candidate secure a pass.

13. AWARD OF LETTER GRADES

13.1 All 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 subject as detailed below:

Letter grade	Marks Range	Grade Point	Description
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
AB		0	ABSENT

13.2 GRADE SHEET

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

- The list of courses enrolled during the semester and the grade scored.
- The Grade Point Average (**GPA**) for the semester and
- The Cumulative Grade Point Average (**CGPA**) of all courses enrolled from first semester onwards.

GPA is the ratio of the sum of the products of the number of credits (**C**) of courses enrolled and the points corresponding to the grades (**GP**) corresponding to the grades scored in those courses, taken for all the courses, to the sum of the number of credits of all the courses in the semester to the sum of the credits of all courses registered.

$$\text{GPA} = \frac{\text{Sum of [C * GP]}}{\text{Sum of C}}$$

CGPA will be calculated in a similar manner, considering all the courses enrolled from first semester.

“**RA** grade will be excluded for calculating **GPA** and **CGPA**.”

13.3 Whenever students, having arrear subjects, appear for the end semester examination during which there are no regular batch of students writing the same subjects, then, the letter grades for the arrears subjects shall be awarded based on the range of marks.

13.4 REVALUATION

A candidate can apply for revaluation of his/her semester examination answer paper in a theory course, within 2 weeks from the declaration of results, on payment of a prescribed fee through proper application to the Controller of Examinations through the Head of the Department and Dean. **A candidate can apply for revaluation of answer scripts for not exceeding 5 subjects at a time.** Photocopies of answer scripts will be issued to candidate are paid prescribed fees. The Controller of Examination will arrange for the revaluation and the results will be intimated to the candidate concerned through the Head of the Department and Dean. Revaluation is not permitted for Practical Courses, Seminars, and Practical Training and for Thesis Work.

14. ELIGIBILITY FOR THE AWARD OF THE DEGREE

A student shall be declared to be eligible for the award of the Degree if he/she has:

- Successfully gained the required number of total credits as specified in the Curriculum corresponding to his/her Programme within the stipulated time.
- Successful completion of Thesis, Practical Training and Study Tours and other requirements as stipulated in the curriculum.
- No disciplinary action is pending against him/her.
- The award of the degree must be approved by the Board of Management.

15. CLASSIFICATION OF THE DEGREE AWARDED

15.1 A candidate who qualifies for the award of the Degree having passed the examination in all the courses in his/her first appearance within the specified minimum number of semesters and securing a **CGPA of not less than 8.00** shall be declared to have passed the examination in **First Class with Distinction**. For this purpose, the withdrawal from examination will not be construed as an appearance. Further, the authorized break of study will not be counted for the purpose of classification.

15.2 A candidate who qualifies for the award of the Degree having passed the examination in all the courses within the specified minimum number of semesters plus one semester (i.e. n+1 semesters), and securing **CGPA of not less than 6.50** shall be declared to have passed the examination in **First Class**. For this purpose, the withdrawal from examination will not be construed as an appearance. Further, the authorized break of study will not be counted for the purpose of classification.

15.3 All other candidates (not covered in clauses 15.1 and 15.2) who qualify for the award of the degree shall be declared to have passed the examination in **Second Class**.

15.4 A candidate who is absent in semester examination in a course / Thesis after having enrolled for the same shall be considered to have appeared in that examination for the purpose of classification.

16. PROVISION FOR WITHDRAWAL FROM END-SEMESTER EXAMINATION

16.1. A candidate, May for valid reasons and on prior application, be granted permission to withdraw from appearing for the examination of any one course or consecutive examinations of more than one course in a semester examination.

16.2. Such withdrawal shall be permitted only once during the entire period of study of the degree Programme

16.3. Withdrawal application is valid only if it is made within 10 days prior to the commencement of the examination in that course or courses and recommended by the Head of the Department and Dean and approved by the Registrar.

16.4. Notwithstanding the requirement of mandatory TEN days' notice, applications for withdrawal for special cases under extraordinary conditions will be considered on the merit of the case.

16.5. Withdrawal shall not be construed as an appearance for the eligibility of a candidate for First Class with Distinction. This provision is not applicable to those who seek withdrawal during X semester.

16.6. Withdrawal from the End semester examination is **NOT** applicable to arrears subjects of previous semesters.

16.7. The candidate shall reappear for the withdrawn courses during the examination conducted in the subsequent semester.

17. PROVISION FOR AUTHORISED BREAK OF STUDY

17.1. **Break of Study shall be granted only once for valid reasons for a maximum of one year during the entire period of study of the degree Programme.** However, in extraordinary situation the candidate may apply for additional break of study not exceeding another one year by paying prescribed fee for break of study. If a candidate intends to temporarily discontinue the Programme in the middle of the semester for valid reasons, and to re-join the Programme in a subsequent year, permission may be granted based on the merits of the case provided he / she applies to the Registrar, but not later than the last date for registering for the end semester examination of the semester in question, through the Head of the Department and Dean stating the reasons therefore and the probable date of re-joining the Programme.

17.2. The candidate thus permitted to re-join the Programme after the break shall be governed by the Curriculum and Regulations in force at the time of re-joining. Such candidates may have to do additional courses as per the Regulations in force at that period of time

17.3. The authorized break of study (for a maximum of one year) will not be counted for the duration specified for passing all the courses for the purpose of classification. However, additional break of study granted will be counted for the purpose of classification

17.4. The total period for completion of the Programme reckoned from, the commencement of the first semester to which the candidate was admitted shall not exceed the maximum period specified in clause 4.1 irrespective of the period of break of study (vide clause 17.3) in order that he/she may be eligible for the award of the degree

17.5. If any student is detained for want of requisite attendance, progress and good conduct, the period spent in that semester shall not be considered as permitted 'Break of Study' or 'Withdrawal'

18. PRACTICAL TRAINING

18.1 As a part of the degree requirement, all candidates have to mandatorily undergo Practical Training in the 7th semester under a registered Architect (with not less than 3 years of experience) for a period of 6 months (with a minimum of 90 working days in a semester)

18.2 Internal Assessment (520 marks) for Practical Training will be evaluated by the Architect for Drawings/Detailing, Application of knowledge & skill, Professional attitude. (For 400 marks) under whom the candidate has been trained, and by the Training Co-coordinator (for 120 marks) of the Faculty of Architecture for each semester.

18.3 End semester exam (ESE - 780 marks) for Practical Training will be held as a Viva-Voce examined by a jury comprising external architect members (for 390 marks) and by internal members of the Training Committee (for 390 marks) of the Faculty of Architecture for each semester.

18.4 Upon passing both the CIA and the ESE with the minimum required marks (50% of marks), the candidate shall also be certified by the Faculty of Architecture to have successfully completed the practical training.

18.5 A Training Committee shall be established well before the commencement of the practical training for the purpose of overseeing and regulating all aspects of the student's practical training and shall comprise minimum three faculty members from the faculty of Architecture & minimum one external member from practice/industry. The HOD/Dean shall be the Convener; and the concerned class tutor of the batch shall be the Coordinator of this committee respectively.

19. DISSERTATION II

19.1 As a part of the degree requirement, all candidates have to submit a Dissertation II in the 10th semester under a faculty guide and/or external guide. This Dissertation II is to be submitted individually by each candidate and is intended to assess individual research, methodology and design skills as a culmination of the knowledge accumulated throughout the course. This Dissertation II shall be submitted as drawings, reports, models, slides, presentations, walkthroughs etc.

19.2 The Dissertation II selection, scope, criteria for evaluation, periodic reviews and all other matters related to the Dissertation II except Final ESE shall be decided by the Dissertation II Committee of the Faculty of Architecture the decision of the committee has to be approved by Vice Chancellor/Registrar before the commencement of the review process.

19.3 Continuous Internal Assessment (CIA- 360 marks) for Dissertation II shall be held as a Viva-Voce examined by a jury comprising the Dissertation II Committee (for 180 marks) and by the Dissertation II Guide (for 180 marks) of the Faculty of Architecture. Four to six reviews are to be conducted which needs to be decided by Dissertation II committee. The same to be approved by Vice Chancellor/Registrar, before the commencement of the review process.

19.4 End Semester Examination (ESE- 540 marks) for Dissertation II shall be held as a Viva-Voce examined by a jury comprising external architect members (for 270 marks) and by internal members of the Dissertation II Committee (for 270 marks) of the Faculty of Architecture.

19.5 A Dissertation II Committee shall be established well before the commencement of the Dissertation II for the purpose of overseeing and regulating all aspects of the student's Dissertation II work and shall comprise minimum two faculty members from the concerned department, minimum one external faculty member from academic background and another one external members from practicing background. The Hod/Dean shall be the Convener; and the concerned class tutor of the batch shall be the Coordinator of this committee respectively.

20. ELECTIVES

Electives shall be theory, practical or studio subject to satisfying their course requirements.

21. STUDY TOURS / NASA & CLUB ACTIVITIES

As part of the degree requirement, all candidates have to mandatorily visit places and buildings of Architectural Interest as a Study Tour for a prescribed duration of 28 to 35 days, during any stage of the

course. Such study tours may be planned and conducted in two or three parts and preferably during the vacation period. Upon completing such tours, a candidate shall be certified by the Faculty of Architecture to have successfully completed the study tours.

NASA / ZONASA / CLUB will have activities related to the Architecture, Art and Design related extra-curricular events including participation in the above competitions.

22. DISCIPLINE

Every student is required to observe disciplined and decorous behaviour both inside and outside the college and not to indulge in any activity which will tend to bring down the prestige of the University. The erring student will be referred to the Disciplinary Committee constituted by the University, to enquire into acts of indiscipline and recommend the University about the disciplinary action to be taken. If a student indulges in malpractice in any of the University / Internal Examination he / she shall be liable for punitive action as prescribed by the university from time to time.

23. REVISION OF REGULATION AND CURRICULUM

The University may from time-to-time revise, amend or change the Regulations, Scheme of Examinations and syllabi if found necessary at any stage of the course

9.2.1 THEORY COURSES:

S. No.	CATEGORY	MAXIMUM MARKS
1.	Attendance	5
2.	CIA-I	10
3.	CIA- II	10
3.	Assignment	10
4.	Seminar	5
Continuous Internal Assessment: TOTAL		40

9.2.2 PATTERN OF TEST QUESTION PAPER: (Theory courses)

INSTRUCTION	REMARKS
Maximum Marks	50 marks for all Tests
Duration	2 Hours
Part – A	Five-mark Questions (4 x 5 = 20 Marks); Choice: 4 out of 6
Part- B	Ten-mark Questions (3 x 10 = 30 Marks); Choice: 3 out of 5

9.2.3 STUDIO COURSES:

S. No	CATEGORY	MAXIMUM PERCENTAGE
1.	Internal Jury (5 Reviews)	35
2.	Attendance	5
Continuous Internal Assessment: TOTAL		40*

9.2.4 PRACTICAL COURSES:

S. No	CATEGORY	MAXIMUM PERCENTAGE
1.	Internal Jury (Exercise/sheet valuation) **	35
2.	Attendance	5
Continuous Internal Assessment: TOTAL		40*

* - proportionate increase for all categories will be based on the total marks allotted for Continuous Internal Assessment for the concerned course.

** - No of Exercise/Sheets depends on particular subject.

9.2 ATTENDANCE

Marks Distribution for Attendance

S. No.	Attendance %	Marks
1	Between 91 % and 100%	5
3	Between 86 % and 90%	4
4	Between 81 % and 85%	3
5	Between 76 % and 80%	2
6	Less than 75 %	0

10. REQUIREMENTS FOR APPEARING FOR UNIVERSITY EXAMINATION

A candidate shall normally be permitted to appear for the University Examination of any semester commencing from I semester if he/she has satisfied the semester completion and attendance requirements and has registered for examination in all courses of the semester. Registration is mandatory for Semester

Examinations as well as Arrears Examinations failing which the candidate will not be permitted to move to the higher semester. A candidate already appeared for subjects in a semester and passed the examination is not entitled to reappear in the same subject or subjects of the semester for improvement of grades / marks.

11. END SEMESTER EXAMINATIONS

End Semester Examination (ESE): End Semester Examination will be held at the end of each semester for each subject, which consists of 100 marks later scaled down to 60marks.

11.1 PATTERN OF ESE QUESTION PAPER: (Theory courses)

INSTRUCTION	REMARKS
Maximum Marks	100 marks for all Semester Examinations.
Duration	3 Hours
Part – A	Six-mark Questions (5 x 6 =30 Marks); Choice: 5 out of 8.
Part- B	Fourteen-mark Questions (5 x 14 =70 Marks); Choice: either or type with two questions from every unit.

11.2 PATTERN OF ESE QUESTION PAPER: (Studio courses)

The ESE for studio subjects shall be conducted as an examination and/or as a final jury (viva-voce) for marks as per scheme of examination comprising external architect/related professionals with minimum 5 years' experience in practice or teaching.

12. PASSING REQUIREMENTS

12.1 Passing minimum: The passing minimum for CIA is 50% (i.e. 20 out of 40 marks). The passing minimum for ESE is 50% (i.e. 30 out of 60 marks). The overall passing minimum for every course is 50% i.e. 50 out of 100 marks (Sum of his/her score in internal and external examination).

12.2 If the candidate fails to secure a pass in a particular Studio course as per clause 12.1, it is mandatory that candidate shall register and reappear for the examination in the subsequent semester as an arrear when examination is conducted in that course. Further the candidate should continue to register and reappear for the examination till a **pass** is secured in End Semester Examination of such arrear subjects.

The Continuous Internal Assessment marks obtained by the candidate in the first appearance shall be retained by the Office of the Controller of Examinations and improved CIA marks may be considered for all subsequent attempts till the candidate secure a pass.

13. AWARD OF LETTER GRADES

13.1 All assessments of a course will be done on absolute marks basis. However, for 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 subject as detailed below:

Letter grade	Marks Range	Grade Point	Description
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
P	50-54	4	PASS
RA	<50		REAPPEARANCE
AB		0	ABSENT

13.2 GRADE SHEET

After results are declared, 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.

GPA is the ratio of the sum of the products of the number of credits (**C**) of courses enrolled and the points corresponding to the grades (**GP**) corresponding to the grades scored in those courses, taken for all the courses, to the sum of the number of credits of all the courses in the semester to the sum of the credits of all courses registered.

$$\text{GPA} = \frac{\text{Sum of [C * GP]}}{\text{Sum of C}}$$

CGPA will be calculated in a similar manner, considering all the courses enrolled from first semester. “**RA** grade will be excluded for calculating **GPA** and **CGPA**.”

13.3 Whenever students, having arrear subjects, appear for the end semester examination during which there are no regular batch of students writing the same subjects, then, the letter grades for the arrears subjects shall be awarded based on the range of marks.

13.4 REEVALUATION

Reevaluation is not permitted for Studio courses.

14. ELIGIBILITY FOR THE AWARD OF THE DEGREE

A student shall be declared to be eligible for the award of the Degree if he/she has

- Successfully gained the required number of total credits as specified in the Curriculum corresponding to his/her Programme within the stipulated time.
- Successful completion of Dissertation/ Thesis.
- No disciplinary action is pending against him/her.
- The award of the degree must be approved by the Board of Management.

15. CLASSIFICATION OF THE DEGREE AWARDED

15.1 A candidate who qualifies for the award of the Degree having passed the examination in all the courses in his/her first appearance within the specified minimum number of semesters and securing a **CGPA of not less than 8.00** shall be declared to have passed the examination in **First Class with Distinction**. For this purpose, the withdrawal from examination will not be construed as an appearance. Further, the authorized break of study will not be counted for classification.

15.2 A candidate who qualifies for the award of the Degree having passed the examination in all the courses within the specified minimum number of semesters plus one semester (i.e. n+1 semesters), and securing **CGPA of not less than 6.50** shall be declared to have passed the examination in **First Class**. For this purpose, the withdrawal from examination will not be construed as an appearance. Further, the authorized break of study will not be counted for classification.

15.3 All other candidates (not covered in clauses 15.1 and 15.2) who qualify for the award of the degree shall be declared to have passed the examination in **Second Class**.

15.4 A candidate who is absent in semester examination in a course / dissertation after having enrolled for the same shall be considered to have appeared in that examination for classification.

16. PROVISION FOR WITHDRAWAL FROM END-SEMESTER EXAMINATION

16.1 A candidate, may for valid reasons and on prior application, be granted permission to withdraw from appearing for the examination of any one course or consecutive examinations of more than one course in a semester examination.

16.2 Such withdrawal shall be permitted only once during the entire period of study of the degree Programme.

16.3 Withdrawal application is valid only if it is made within 10 days prior to the commencement of the examination in that course or courses and recommended by the Head of the Department and Dean and approved by the Registrar.

16.3.1 Notwithstanding the requirement of mandatory TEN days' notice, applications for withdrawal for special cases under extraordinary conditions will be considered on the merit of the case.

16.4 Withdrawal shall not be construed as an appearance for the eligibility of a candidate for First Class with Distinction. This provision is not applicable to those who seek withdrawal during X semester.

16.5 Withdrawal from the End semester examination is **NOT** applicable to arrears subjects of previous semesters.

16.6 The candidate shall reappear for the withdrawn courses during the examination conducted in the subsequent semester.

17. PROVISION FOR AUTHORISED BREAK OF STUDY

17.1 Break of Study shall be granted only once for valid reasons for a maximum of one year during the entire period of study of the degree Programme. However, in extraordinary situation the candidate may apply for additional break of study not exceeding another one year by paying prescribed fee for break of study. If a candidate intends to temporarily discontinue the Programme in the middle of the

semester for valid reasons, and to rejoin the Programme in a subsequent year, permission may be granted based on the merits of the case provided he / she applies to the Registrar, but not later than the last date for registering for the end semester examination of the semester in question, through the Head of the Department and Dean stating the reasons therefore and the probable date of rejoining the Programme.

17.2 The candidate thus permitted to rejoin the Programme after the break shall be governed by the Curriculum and Regulations in force at the time of rejoining. Such candidates may have to do additional courses as per the Regulations in force at that period.

17.3 The authorized break of study (for a maximum of one year) will not be counted for the duration specified for passing all the courses for classification. However, additional break of study granted will be counted for classification.

17.4 The total period for completion of the Programme reckoned from, the commencement of the first semester to which the candidate was admitted shall not exceed the maximum period specified in clause 4.1 irrespective of the period of break of study (vide clause 17.3) in order that he/she may be eligible for the award of the degree.

17.5 If any student is detained for want of requisite attendance, progress and good conduct, the period spent in that semester shall not be considered as permitted 'Break of Study' or 'Withdraw'

18. DISSERTATION / THESIS

18.1 As a part of the degree requirement, all candidates must submit a dissertation/thesis in the 3rd and 4th semesters under a faculty guide and/or external guide. This thesis is to be submitted individually by each candidate and is intended to assess individual research, methodology and design skills as a culmination of the knowledge accumulated throughout the course.

This thesis shall be submitted in two stages (evaluated separately and a candidate can proceed to stage II of the Dissertation/Thesis only if he/she passes the stage I successfully) as drawings, reports, models, slides, presentations, walkthroughs etc.

18.2 The topic selection, scope, criteria for evaluation, periodic reviews and all other matters related to the Dissertation/Thesis shall be decided by the Dissertation Committee of the Faculty of Architecture. The decision of the committee must be approved by Vice Chancellor/ Registrar before the commencement of the review process.

18.3 Continuous Internal Assessment (CIA- 240 marks) for Dissertation/Thesis (stage I) shall be held as a Viva-Voce examined by a jury comprising the Dissertation Committee (for 120 marks) and by the Guide (for 120 marks) of the Faculty of Architecture.

18.4 End Semester Examination (ESE-360 marks) for Dissertation/Thesis (stage I) shall be held as a Viva-Voce examined by a jury comprising external architect members (for 180 marks) and by internal members of the Thesis Committee (for 180 marks) of the Faculty of Architecture.

18.5 Continuous Internal Assessment (CIA- 320 marks) for Dissertation/Thesis (stage II) shall be held as a Viva-Voce examined by a jury comprising the Dissertation Committee (for 160 marks) and by the Guide (for 160 marks) of the Faculty of Architecture.

18.6 End Semester Examination (ESE-480 marks) for Dissertation/Thesis (stage II) shall be held as a

Viva-Voce examined by a jury comprising external architect members (for 240 marks) and by internal members of the Thesis Committee (for 240 marks) of the Faculty of Architecture. Every Guide shall be an additional member (if not already a member) for evaluation of his/her Dissertation/Thesis student.

18.7 A Dissertation Committee shall be established well before the commencement of the Dissertation/Thesis for overseeing and regulating all aspects of the student's work and shall comprise minimum two faculty members from the concerned department, minimum one external faculty member from academic background and another one external members from practicing background. The PG Coordinator shall be the Convener; and the concerned class tutor of the batch shall be the Coordinator of this committee respectively.

19. ELECTIVES

Electives shall be from any of the focus areas and may be theory, practical or studio or self-study courses and subject to satisfying their course requirement

20. CASE STUDIES AND FIELD VISITS

As part of the degree requirement, all candidates must visit places and buildings of Architectural Interest and pertaining to the focus area as per course requirements, stipulated by the Faculty of Architecture, Design and Planning (FADP)

21. DISCIPLINE

Every student is required to observe disciplined and decorous behavior both inside and outside the college and not to indulge in any activity which will tend to bring down the prestige of the University. The erring student will be referred to the Disciplinary Committee constituted by the University, to enquire into acts of indiscipline and recommend the University about the disciplinary action to be taken. If a student indulges in malpractice in any of the University / Internal Examination, he / she shall be liable for punitive action as prescribed by the university from time to time.

23. REVISION OF REGULATION AND CURRICULUM

The University may from time to time revise, amend or change the Regulations, Scheme of Examinations and syllabi if found necessary at any stage of the course

Examination Reforms

Faculty of Pharmacy



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)

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1. Examinations/Assessments

The scheme for internal assessment and end semester examinations is given in Table –X.

End Semester Examinations

The End Semester Examinations for each theory and practical course through semesters I to VIII shall be conducted by the university except for the subjects with asterix symbol(*) in table I and II for which examinations shall be conducted by the subject experts at College level and the marks/grades shall be submitted to the university.

Table-X: Schemes for Internal Assessments and End Semester Examinations semester wise

Semester-I

Course code	Name of the course	Internal Assesment				Total	E	
		Continuous Mode	Sessional Exams		Marks		Semester	
			Marks	Dura tion				
24BP101T	Human Anatomy and Physiology I– Theory	10	15	1 Hr	25	75		
24BP102T	Pharmaceutic al Analysis – Theory	10	15	1 Hr	25	75		
24BP103T	Pharmaceuti cs –Theory	10	15	1 Hr	25	75		
24BP104T	Pharmaceutical Inorganic Chemistry– Theory	10	15	1 Hr	25	75		
24BP105T	Communication skills–Theory*	5	10	1 Hr	15	35		
24BP106RBT 24BP106RMT	Remedial Biology – Theory*/ Remedial Mathematics– Theory*	5	10	1 Hr	15	35		
24BP107P	Human Anatomy and Physiology I– Practical	5	10	4 Hrs	15	35		
24BP108P	Pharmaceutical Analysis – Practical	5	10	4 Hrs	15	35		
24BP109P	Pharmaceuti cs –Practical	5	10	4 Hrs	15	35		
24BP110P	Pharmaceutical Inorganic Chemistry– Practical	5	10	4 Hrs	15	35		

24BP111P	Communication skills–Practical*	5	5	2 Hrs	10	15
24BP112RBP	Remedial Biology–Practical*	5	5	2 Hrs	10	15
Total		70/75 ^{\$} /80 [#]	115/125 ^{\$} /130 [#]	23/24 ^p /26 [#]	185/200 ^{\$} /210 [#]	490/525 ^{\$} / 540 [#]

#Applicable ONLY for the students studied Mathematics/ Physics/ Chemistry at HSC and appearing in the course.

\$Applicable ONLY for the students studied Physics/ Chemistry/ Botany/ Zoology at HSC and appearing in the Mathematics(RM) course.

* The subject experts at college level shall conduct examinations (Non-University Exam)

Semester - II

Course code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
24BP201T	Human Anatomy and Physiology II– Theory	10	15	1 Hr	25	75	3 Hrs	100
24BP202T	Pharmaceutical Organic Chemistry I– Theory	10	15	1 Hr	25	75	3 Hrs	100
24BP203T	Biochemistry– Theory	10	15	1 Hr	25	75	3 Hrs	100
24BP204T	Pathophysiology– Theory	10	15	1 Hr	25	75	3 Hrs	100
24BP205T	Computer Applications inPharmacy– Theory*	10	15	1 Hr	25	50	2 Hrs	75
24BP206T	Environmental sciences– Theory*	10	15	1 Hr	25	50	2 Hrs	75
24BP207P	Human Anatomy and PhysiologyII–Practical	5	10	4 Hrs	15	35	4 Hrs	50
24BP208P	Pharmaceutical OrganicChemistryI– Practical	5	10	4 Hrs	15	35	4 Hrs	50
24BP209P	Biochemistry– Practical	5	10	4 Hrs	15	35	4 Hrs	50
24BP210P	Computer Applications inPharmacy– Practical*	5	5	2 Hrs	10	15	2 Hrs	25
24BP211ET/ 24BP212ET	Indian Indigenous Medicine Theory*/ Yoga for Youth Empowerment Theory *	10	15	1Hr	25	50	2Hrs	75
Total		90	140	21 Hrs	230	570	32.0 Hrs	800

* The subject experts (internal guide) at college level shall conduct examination

Semester - III

Course code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
24BP301T	Pharmaceutical Organic Chemistry II– Theory	10	15	1 Hr	25	75	3 Hrs	100
24BP302T	Physical Pharmaceutics I– Theory	10	15	1 Hr	25	75	3 Hrs	100
24BP303T	Pharmaceutical Microbiology–Theory	10	15	1 Hr	25	75	3 Hrs	100
24BP304T	Pharmaceutical Engineering –Theory	10	15	1 Hr	25	75	3 Hrs	100
24BP305P	Pharmaceutical Organic Chemistry II– Practical	5	10	4 Hrs	15	35	4 Hrs	50
24BP306P	Physical Pharmaceutics I–Practical	5	10	4 Hrs	15	35	4 Hrs	50
24BP307P	Pharmaceutical Microbiology–Practical	5	10	4 Hrs	15	35	4 Hrs	50
24BP308P	Pharmaceutical Engineering–Practical	5	10	4 Hrs	15	35	4 Hrs	50
24BP309ET / 24BP310ET / 24BP311ET / 24BP312ET	NPTEL1*/ Statistical Software Theory*/ Ethnobotany Theory*/ Animal Handling Practice Theory*#	10	15	1 Hr	25	50	2 Hrs	75
Total		70	115	21 Hrs	185	490	30Hrs	675

* The subject experts (internal guide) at college level shall conduct examinations.

Semester - IV

Course code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuou sMode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
24BP401T	Pharmaceutical Organic Chemistry III–Theory	10	15	1 Hr	25	75	3 Hrs	100
24BP402T	Medicinal Chemistry I–Theory	10	15	1 Hr	25	75	3 Hrs	100
24BP403T	Physical Pharmaceutics II–Theory	10	15	1 Hr	25	75	3 Hrs	100
24BP404T	Pharmacology I– Theory	10	15	1 Hr	25	75	3 Hrs	100
24BP405T	Pharmacognosy I– Theory	10	15	1 Hr	25	75	3 Hrs	100
24BP406P	Medicinal Chemistry I– Practical	5	10	4 Hr	15	35	4 Hrs	50
24BP407P	Physical Pharmaceutics II–Practical	5	10	4 Hrs	15	35	4 Hrs	50
24BP408P	Pharmacology I– Practical	5	10	4 Hrs	15	35	4 Hrs	50
24BP409P	Pharmacognosy I– Practical	5	10	4 Hrs	15	35	4 Hrs	50
24BP410EP/ 24BP411ET/ 24BP412EP/	Pharmaceutical calculation Practical *	5	10 [^]	2 [^] Hrs	15 [^]	35 [^]	2 [^] Hrs	50
	Ethical Leadership Theory * / Quality by Design Practical *	10	15	1 Hr	25	50	2 Hrs	75
		5	10 [^]	2 [^] Hrs	15 [^]	35 [^]	2 [^] Hrs	50
Total		75/80 [^]	130/125 [^]	22/23 [^] Hrs	210/200 [^]	575/560 [^]	33 /33 [^] Hrs	775/750 [^]

* The subject experts (internal guide) at college level shall conduct examinations.

[^] If student select practical as elective course.

Semester - V

Course code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuou s Mode	Sessional Exams		Total	Marks	Duration	
			Mark s	Duratio n				
24BP501T	Medicinal Chemistry II – Theory	10	15	1 Hr	25	75	3 Hrs	100
24BP502T	Industrial Pharmacy I–Theory	10	15	1 Hr	25	75	3 Hrs	100
24BP503T	Pharmacology II– Theory	10	15	1 Hr	25	75	3 Hrs	100
24BP504T	Pharmacognosy & Phytochemistry II–Theory	10	15	1 Hr	25	75	3 Hrs	100
24BP505T	Pharmaceutical Jurisprudence – Theory	10	15	1 Hr	25	75	3 Hrs	100
24BP506P	Industrial Pharmacy I – Practical	5	10	4 Hr	15	35	4 Hrs	50
24BP507P	Pharmacognosy & Phytochemistry II – Practical	5	10	4 Hr	15	35	4 Hrs	50
24BP508P	Pharmacognosy II– Practical	5	10	4 Hr	15	35	4 Hrs	50
24BP509ET	Medical coding	10	15	1 Hr	25	50	2 Hrs	75
24BP510ET	Theory*/ Community Practice Theory*/							
24BP511ET	Health & Lifestyle Theory*/							
24BP512ET	NPTEL2 *							
Total		75	120	18 Hr	195	535	29 Hrs	725

* The subject experts (internal guide) at college level shall conduct examinations.

Semester - VI

Course code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuou sMode	Sessional Exams		Total	Marks	Duration	
			Mark s	Duratio n				
24BP601T	Medicinal Chemistry III – Theory	10	15	1 Hr	25	75	3 Hrs	100
24BP602T	Pharmacology III – Theory	10	15	1 Hr	25	75	3 Hrs	100
24BP603T	Herbal Drug Technology–Theory	10	15	1 Hr	25	75	3 Hrs	100
24BP604T	Biopharmaceutics and Pharmacokinetics – Theory	10	15	1 Hr	25	75	3 Hrs	100
24BP605T	Pharmaceutical Biotechnology–Theory	10	15	1 Hr	25	75	3 Hrs	100
24BP606T	Pharmaceutical Quality Assurance – Theory	10	15	1 Hr	25	75	3 Hrs	100
24BP607P	Medicinal chemistry III–Practical	5	10	4 Hrs	15	35	4 Hrs	50
24BP608P	Pharmacology III – Practical	5	10	4 Hrs	15	35	4 Hrs	50
24BP609P	Herbal Drug Technology– Practical	5	10	4 Hrs	15	35	4 Hrs	50
Total		75	120	18 Hrs	195	555	30 Hrs	750

Semester - VII

Course code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
24BP701T	Instrumental Methods of Analysis– Theory	10	15	1 Hr	25	75	3 Hrs	100
24BP702T	Industrial Pharmacy–II Theory	10	15	1 Hr	25	75	3 Hrs	100
24BP703T	Pharmacy Practice –Theory	10	15	1 Hr	25	75	3 Hrs	100
24BP704T	Novel Drug Delivery System–Theory	10	15	1 Hr	25	75	3 Hrs	100
24BP705 P	Instrumental Methods of Analysis– Practical	5	10	4 Hrs	15	35	4 Hrs	50
24BP706 PS	Practice School*	25	-	-	25	125	5 Hrs	150
24BP707EP /	Spectral Analysis Practical*	5	10	2 Hrs	15	35	2 Hrs	50
24BP708ET /	Pharmacoeconomics Theory*/ Scientific Writing Theory*	10	15	1 Hr	25	50	2 Hrs	75
24BP709E I								
Total		80/75^	85/80^	9/10^ Hrs	165/155^	510/495^	23/23^ Hrs	675/650^

* The subject experts (internal guide) at college level shall conduct examinations.

^ If student select practical as elective course

Semester - VIII

Course code	Name of the course	Internal Assessment			End Semester Exams		Total Marks	
		Continuous Mode	Sessional Exams		Total	Marks		Duration
			Marks	Duration				
24BP801T	Biostatistics and Research Methodology– Theory	10	15	1 Hr	25	75	3 Hrs	100
24BP802T	Social and Preventive Pharmacy– Theory	10	15	1 Hr	25	75	3 Hrs	100
24BP803ET	Pharma Marketing Management– Theory	10 +10 = 20*	15+15=30*	1+1=2 Hrs	25+25=50*	75+75=150*	3+3=6hrs	100+100=200*
24BP804ET	Pharmaceutical Regulatory Science– Theory							
24BP805ET	Pharmacovigilance –Theory							
24BP806ET	Quality Control and Standardizations of Herbals – Theory							
24BP807ET	Computer Aided Drug Design– Theory							
24BP808ET	Cell and Molecular Biology– Theory							
24BP809ET	Cosmetic Science –Theory							
24BP810ET	Experimental Pharmacology–Theory							
24BP811ET	Advanced Instrumentation Techniques – Theory							
24BP812ET	Dietary supplements and nutraceuticals- heory							
24BP813ET	Pharmaceutical Product Development (Theory)							
24BP814ET	Artificial Intelligence	10	15	1 Hr	25	75	3 Hrs	100
24BP815ET	Cyber Security	10	15	1 Hr	25	75	3 Hrs	100
24BP816PW	Project Work	-	-	-	-	150	4 Hrs	150
Total		60	90	6 Hrs	150	600	22 Hrs	750

*Students can select any two elective courses out of nine elective courses.

CIA	1545/1560#/1570*	ESE	4385/4420#/4435*	Grand Total	5930/5980#/6005*
# for Remedial Mathematics		*for Remedial Biology			

Internal Assessment: Continuous mode

The marks allocated for Continuous mode of Internal Assessment shall be awarded as per the scheme given below.

Table-XI: Scheme for awarding Internal Assessment: Continuous mode

Theory		
Criteria	Maximum Marks	
	For 100	For 50
Attendance (Refer Table– XII)	4	2
Academic activities (Average of any 3 activities e.g. quiz, assignment, open book test, field work, group discussion and seminar)	3	2
Student – Teacher interaction	3	1
Total	10	5
Practical		
Attendance (Refer Table– XII)	2	
Based on Practical Records, Regular viva voce, etc.	3	
Total	5	

Table- XII: Guidelines for the allotment of marks for attendance

Percentage of Attendance	Theory	Practical
95 –100	4	2
90 –94	3	2
85 –89	2	1
80 –84	1	1
Less than 80	0	0

11.2.1. Sessional Exams

Two Sessional exams shall be conducted for each theory /practical course as per the schedule fixed by the college(s). The scheme of question paper for theory and practical Sessional examinations is given below. The average marks of two Sessional exams shall be computed for internal assessment as per the requirements given in tables– X.

Sessional exam shall be conducted for 30 marks for theory and shall be computed for 15 marks. Similarly, Sessional exams for practical shall be conducted for 40 marks and shall be computed for 10 marks.

Question paper pattern for Theory Sessional examinations

For subjects having University Examination

I. Short Notes (Answer all the questions)	=	$5 \times 2 = 10$
II. Long Answers (Answer 1 out of 2)	=	$1 \times 10 = 10$
III. Short Answers (Answer 2 out of 3)	=	$2 \times 5 = 10$
Total	=	30 marks

For subjects having Non-University Examination

I. Long Answers (Answer 1 out of 2)	=	$1 \times 10 = 10$
II. Short Answers (Answer 4 out of 6)	=	$4 \times 5 = 20$
Total	=	30 marks

Question paper pattern for practical sessional examinations

I. Synopsis	=	10
II. Experiments	=	25
III. Viva voce	=	05
Total	=	40 marks

2. Promotion and award of grades

A student shall be declared PASS and eligible for getting grade in a course of B. Pharm program if he/she secures atleast 50% marks in that particular course including internal assessment. For example, to be declared as PASS and to get grade, the student has to secure a minimum of 50 marks for the total of 100 including continuous mode of assessment and end semester theory examination and has to secure a minimum of 25 marks for the total 50 including internal assessment and end semester practical examination.

3. Carry forward of marks

In case a student fails to secure the minimum 50% in any Theory or Practical course as specified in 12, then he/she shall reappear for the end semester examination of that course. However, his/her marks of the Internal Assessment shall be carried over and he/she shall be entitled for grade obtained by him/her on passing.

4. Improvement of Internal Assessment

A student shall have the opportunity to improve his/her performance only once in the Sessional exam component of the internal assessment. The re-conduct of the Sessional exam shall be completed before the commencement of next end semester theory examinations.

5. Re-examination of End Semester Examinations

Re-examination of end semester examination shall be conducted as per the schedule given in table XIII. The exact dates of examinations shall be notified from time to time.

Table-XIII: Tentative schedule of End Semester Examinations

Semester	For Regular Candidates	For Failed Candidates
I, III, V and VII	November/ December	May/ June
II, IV, VI and VIII	May/ June	November/ December

Question paper pattern for End Semester Theory Examinations

For 75 marks paper

I. Very short answers

(Answer all the questions) = $10 \times 2 = 20$

II. Long Answers (Answer 2 out of 3) = $2 \times 10 = 20$

III. Short Answers (Answer 7 out of 9) = $7 \times 5 = 35$

Total =

 75 marks

For 50 marks paper

I. Long Answers (Answer 2 out of 3) = $2 \times 10 = 20$

II. Short Answers (Answer 7 out of 9) = $6 \times 5 = 30$

Total =

 50 marks

For 35 marks paper

$$\text{I. Long Answers (Answer 1 out of 2)} = 1 \times 10 = 10$$

$$\text{II. Short Answers (Answer 5 out of 7)} = 5 \times 5 = 25$$

$$\text{Total} = \begin{array}{r} \hline 35 \end{array} \text{ marks}$$

Question paper pattern for End Semester Practical Examinations

I. Synopsis	=	5
II. Experiments	=	25
III. Viva voce	=	5

Total = 35 marks

6. Academic Progression:

No student shall be admitted to any examination unless he/she fulfills the norms given in 6. Academic progression rules are applicable as follows:

A student shall be eligible to carry forward all the courses of I, II and III semesters still the IV semester examinations. However, he/she shall not be eligible to attend the courses of V semester until all the courses of I and II semesters are successfully completed.

A student shall be eligible to carry forward all the courses of III, IV and V semester still the VI semester examinations. However, he/she shall not be eligible to attend the courses of VII semester until all the courses of I, II, III and IV semesters are successfully completed.

A student shall be eligible to carry forward all the courses of V, VI and VII semesters still the VIII semester examinations. However, he/she shall not be eligible to get the course completion certificate until all the courses of I, II, III, IV, V and VI semesters are successfully completed.

A student shall be eligible to get his /her CGPA upon successful completion of the courses of I to VIII semesters within the stipulated time period as per the norms specified in 26.

A lateral entry student shall be eligible to carry forward all the courses of III, IV and V semesters till the VI semester examinations. However, he/ she shall not be eligible to attend the courses of VII semester until all the courses of III and IV semesters are successfully completed.

A lateral entry student shall be eligible to carry forward all the courses of V, VI and VII semesters till the VIII semester examinations. However, he/she shall not be eligible to get the course completion certificate until all the courses of III, IV, V and VI semesters are successfully completed.

A lateral entry student shall be eligible to get his /her CGPA upon successful completion of the courses of III to VIII semesters within the stipulated time period as per the norms specified in 26.

Any student who has given more than 4 chances for successful completion of I/III semester courses and more than 3 chances for successful completion of II/IV semester courses shall be permitted to attend V / VII semester classes ONLY during the subsequent academic year as the case maybe. In simpler terms there shall NOT be any ODD BATCH for any semester.

Note: Grade AB should be considered as failed and treated as one head for deciding academic progression. Such rules are also applicable for those students who fail to register for examination(s) of any course in any semester.

17. Grading of performances

Letter grades and grade points allocations:

Based on the performances, each student shall be awarded a final letter grade at the end of the semester for each course. The letter grades and their corresponding grade points are given in Table – XII.

Table– XII: Letter grades and grade points equivalent to Percentage of marks and performances

Letter Grade	Marks Range	Grade Point	Description
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	0	REAPPEARANCE
AB		0	ABSENT

A learner who remains absent for any end semester examination shall be assigned a letter Grade of AB and a corresponding grade point of zero. He/she should reappear for the said evaluation/examination in due course.

18. GRADE SHEET

After results are declared, Grade sheet 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. The Cumulative Grade Point Average (GPA) of all course enrolled from first semester onwards.

GPA is ratio of the sum of the products of the number of credits © of courses enrolled and the Grade Points (GP) corresponding to the grades scored in those courses, taken for all the courses to the sum of the number of credits of all the courses in the semester.

GPA= Sum of [CxGP]

$$\frac{\text{-----}}{\text{Sum of C}}$$

CGPA will be calculated in a similar manner, considering all the courses enrolled from First semester. RA grade and value-added course will be excluded for calculating GPA and CGPA.

19.REVALUATION

Revaluation and Re-totaling are allowed on representation. A candidate can apply for revaluation of his/her semester Examination answer paper in a theory course, within 2 weeks from the declaration of results, on payment of a prescribed fee through proper application to the Controller of Examinations through the Head of the Department and Dean. A candidate can apply for revaluation of answer scripts for not exceeding 4 subjects at a time. The Controller of Examinations will arrange for the revaluation and the results will be intimated to the candidate through the Head of the Department and Dean. Revaluation is not permitted for Supplementary Examinations, Practical Examinations, Technical Seminars, In-plant Training and Project Work.

20. Declaration of class

The class shall be awarded on the basis of CGPA as follows:

First Class with Distinction	= 8 and above
Class	= 6.50 to 7.99
Second Class	= 6.49 and below

21. Project work

All the students shall undertake a project under the supervision of a teacher and submit a report. The area of the project shall directly relate any one of the elective subjects opted by the student in semester VIII. The project shall be carried out in group not exceeding 5 in number. The project report shall be submitted in triplicate (typed & bound copy not less

than 25 pages). The internal and external examiner appointed by the University shall evaluate the project at the time of the Practical examinations of other semester(s). Students shall be evaluated in groups for four hours (i.e., about half an hour for a group of five students). The projects shall be evaluated as per the criteria given below.

COURSE: IV B. PHARM PROJECT WORK (24BP812PW)

S. No	COMPONENTS	MARKS
I. Dissertation work		
1	Objectives of the work done	15
2	Methodology adopted	20
3	Results and Discussion	20
4	Conclusions and Outcomes	20
Total		75
II. Presentation work		
1	Presentation of work	25
2	Communication skills	20
3	Question and answer skills	30
Total		75
Total I+II		150 (Minimum Pass mark 75)

Explanation: The 75 marks assigned to the dissertation book shall be same for all the students in a group. However, the 75 marks assigned for presentation shall be awarded based on the performance of individual students in the given criteria.

22. Industrial training (Desirable)

Every candidate shall be required to work for at least 150 hours spread over four weeks in a Pharmaceutical Industry/ Hospital. It includes Production unit, Quality Control department, Quality Assurance department, Analytical laboratory, Chemical manufacturing unit, Pharmaceutical R&D, Hospital (Clinical Pharmacy), Clinical Research Organization, Community Pharmacy, etc. After the Semester-VI and before the commencement of Semester-VII, and shall submit satisfactory report of such work and certificate duly signed by the authority of training organization to the head of the institute.

23. Practice School

In the VII semester, every candidate shall undergo practice school for a period of 150 hours evenly distributed throughout the semester. The student shall opt any one of the domains for practice school declared by the program committee from time to time.

At the end of the practice school, every student shall submit a printed report (intricate) on the practice school he/she attended (not more than 25 pages). Along with the exams of

semester VII, the report submitted by the student, knowledge and skills acquired by the student through practice school shall be evaluated by the subject experts at college level and grade point shall be awarded.

24. a. Online Course

Students shall study at least one online course from SWAYAM/ NPTEL/ MOOC in any one of the first seven semesters for which examination shall be conducted at the end of the course by the respective organizations. The student can register to the courses which are approved by the Department. The student shall produce a pass certificate from the respective organizations before the end of the seventh semester. The credit(s) earned by the students will be considered as additional credit(s) over and above the required credits earned from programme concerned.

24. b. Online Course Co-ordinator

To help students in planning their online courses and for general advice on online courses, the HOD shall nominate a co-ordinator for the online courses. The Online course co-ordinator shall identify the courses which students can select for their programme from the available online courses offered by the different agencies periodically and inform the same to the students. Further, the co-ordinator shall advise the students regarding the online courses and monitors their course.

25. Award of Ranks

Ranks and Medals shall be awarded on the basis of final CGPA. However, candidates who fail in one or more courses during the B. Pharm program shall not be eligible for award of ranks. Moreover, the candidates should have completed the B. Pharm program in minimum prescribed number of years, (four years) for the award of Ranks.

26. Award of degree

Candidates who fulfill the requirements mentioned above shall be eligible for award of degree during the ensuing convocation.

27. Duration for completion of the program of study

The duration for the completion of the program shall be fixed as double the actual duration of the program and the students have to pass within the said period, otherwise they have to get fresh registration.

28. Re-admission after break of study

Candidate who seeks re-admission to the program after break of study has to get the approval from the university by paying a condonation fee.

No condonation is allowed for the candidate who has more than 2 years of breakup period and he/she has to rejoin the program by paying the required fees.

On-demand examination for Advanced Learners in B. Pharm programme

On-demand exams of 8th-semester elective courses will be conducted in 7th semester for advanced learners who satisfy the eligible criteria. After selecting the advanced learners, one or two staff members will be assigned based on no of students to conduct classes for the

respective elective courses. For an advanced learner Internal exams and End semester exams will be conducted in 7th semester.

Eligible criteria For On-demand examination for B. Pharm student

A B. Pharm student should satisfy the following criteria to attend on demand exam in the 7th semester

1. 80 % Attendance should be maintained by the student from 1st semester to the 6th semester of the respective program.
2. No failures in any of the courses from 1st semester to 6th semester of the respective program.
3. The student should maintain a minimum GPA score of 8.5 in each semester from 1st semester to 6th semester and should have a minimum CGPA score of 8.5 in the 6th semester

1. Examinations/Assessments

The schemes for internal assessment and end semester examinations are given in Table – XVII.

End semester examinations

The End Semester Examinations for each theory and practical course through semesters I to IV shall be conducted by the respective university except for the subject with asterix symbol (*) in table I and II for which examinations shall be conducted by the subject experts at college level and the marks/grades shall be submitted to the university.

Table XII: Schemes for Internal Assessments and End Semester Examinations (Pharmaceutical Analysis)

Course Code	Course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
SEMESTER I								
24MPA101T	Modern Pharmaceutical Analytical Techniques - Theory	10	15	1 Hr	25	75	3 Hrs	100
24MPA102T	Advanced Pharmaceutical Analysis - Theory	10	15	1 Hr	25	75	3 Hrs	100
24MPA103T	Pharmaceutical Validation - Theory	10	15	1 Hr	25	75	3 Hrs	100
24MPA104T	Food Analysis – Theory	10	15	1 Hr	25	75	3 Hrs	100
24MPA105P	Pharmaceutical Analysis - Practical I	10	15	3 Hrs	25	50	3 Hrs	75
24MPA106P	Modern Pharmaceutical Analytical Techniques - Practical	10	15	3 Hrs	25	50	3Hrs	75
24MPA107S	Seminar /Assignment	-	100	-	100	-	-	100
Total								650
SEMESTER II								
24MPA201T	Advanced Instrumental Analysis-Theory	10	15	1 Hr	25	75	3 Hrs	100
24MPA202T	Modern Bio-Analytical Techniques - Theory	10	15	1 Hr	25	75	3 Hrs	100
24MPA203T	Quality Control and Quality Assurance - Theory	10	15	1 Hr	25	75	3 Hrs	100
24MPA204T	Herbal and Cosmetic Analysis -Theory	10	15	1 Hr	25	75	3 Hrs	100
24MPA205P	Pharmaceutical Analysis - Practical II	20	30	6 Hrs	50	100	6 Hrs	150
24MPA206S	Seminar /Assignment	-	100	-	100	-	-	100
Total								650

Table XIII: Schemes for Internal Assessments and End Semester Examinations (Pharmaceutics)

Course Code	Course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
SEMESTER I								
24MPH101T	Modern Pharmaceutical Analytical Techniques - Theory	10	15	1 Hr	25	75	3 Hrs	100
24MPH 102T	Drug Delivery System - Theory	10	15	1 Hr	25	75	3 Hrs	100
24MPH 103T	Modern Pharmaceutics - Theory	10	15	1 Hr	25	75	3 Hrs	100
24MPH104T	Regulatory Affairs - Theory	10	15	1 Hr	25	75	3 Hrs	100
24MPH105P	Pharmaceutics - Practical I	10	15	3 Hrs	25	50	3 Hrs	75
24MPH106P	Modern Pharmaceutical Analytical Techniques - Practical	10	15	3 Hrs	25	50	3Hrs	75
24MPH107S	Seminar /Assignment	-	100	-	100	-	-	100
Total								650
SEMESTER II								
24MPH201T	Molecular Pharmaceutics - Theory (Nano Technology and Targeted DDS) (NTDS)	10	15	1 Hr	25	75	3 Hrs	100
24MPH202T	Advanced Biopharmaceutics and Pharmacokinetics -Theory	10	15	1 Hr	25	75	3 Hrs	100
24MPH203T	Computer Aided Drug Delivery System - Theory	10	15	1 Hr	25	75	3 Hrs	100
24MPH204T	Cosmetic and Cosmeceuticals - Theory	10	15	1 Hr	25	75	3 Hrs	100
24MPH205T	Pharmaceutics - Practical II	20	30	6 Hrs	50	100	6 Hrs	150
24MPH206S	Seminar / Assignment	-	100	-	100	-	-	100
Total								650

Table XIV: Schemes for Internal Assessments and End Semester Examinations (Pharmaceutical Chemistry)

Course Code	Course	Internal Assessment				End Semester Exams		Total Marks
		Continuou s Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
SEMESTER I								
24MPC101T	Modern Pharmaceutical Analytical Techniques - Theory	10	15	1 Hr	25	75	3 Hrs	100
24MPC102T	Advanced Organic Chemistry I - Theory	10	15	1 Hr	25	75	3 Hrs	100
24MPC103T	Advanced Medicinal Chemistry - Theory	10	15	1 Hr	25	75	3 Hrs	100
24MPC104T	Chemistry of Natural Products - Theory	10	15	1 Hr	25	75	3 Hrs	100
24MPC105P	Pharmaceutical Chemistry - Practical I	10	15	3 Hrs	25	50	3 Hrs	75
24MPC106P	Modern Pharmaceutical Analytical Techniques - Practical	10	15	3 Hrs	25	50	3Hrs	75
24MPC107S	Seminar /Assignment	-	100	-	100	-	-	100
Total								650

SEMESTER II								
24MPC201T	Advanced Spectral Analysis - Theory	10	15	1 Hr	25	75	3 Hrs	100
24MPC202T	Advanced Organic Chemistry II - Theory	10	15	1 Hr	25	75	3 Hrs	100
24MPC203T	Computer Aided Drug Design - Theory	10	15	1 Hr	25	75	3 Hrs	100
24MPC204T	Pharmaceutical Process Chemistry - Theory	10	15	1 Hr	25	75	3 Hrs	100
24MPC205P	Pharmaceutical Chemistry – Practical II	20	30	6 Hrs	50	100	6	150
24MPC206S	Seminar /Assignment -	-	100	-	100	-	-	100
Total								650

Table XV: Schemes for internal assessments and end semester examinations(Semester III& IV) (Pharmaceutical Analysis)

Course Code	Course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
SEMESTER III								
24MPA301T	Research Methodology and Biostatistics-Theory *	10	15	1 HR	25	75	3 HR	100
24MPA302J	Journal Club	-	-	-	25	-	-	25
24MPA303D	Discussion / Presentation (Proposal Presentation)	-	-	-	50	-	-	50
24MPA304RW	Research Work	-	-	-	-	350	1 HR	350
Total								525
SEMESTER IV								
24MPA401J	Journal club	-	-	-	25	-	-	25
24MPA402RW	Research Work	-	-	-	75	-	-	75
24MPA403D	Discussion/Final Presentation	-	-	-	-	400	1 HR	400
Total								500

*Non university Exam

Table XVI: Schemes for internal assessments and end semester examinations(Semester III& IV) (Pharmaceutics)

Course Code	Course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
SEMESTER III								
24MPH301T	Research Methodology and Biostatistics-Theory *	10	15	1 HR	25	75	3 HR	100
24MPH302J	Journal Club	-	-	-	25	-	-	25
24MPH303D	Discussion / Presentation (Proposal Presentation)	-	-	-	50	-	-	50
24MPH304RW	Research Work	-	-	-	-	350	1 HR	350
Total								525
SEMESTER IV								
24MPH401J	Journal club	-	-	-	25	-	-	25
24MPH402RW	Research Work	-	-	-	75	-	-	75
24MPH403D	Discussion/Final Presentation	-	-	-	-	400	1 HR	400
Total								500

*Non University Exam

Schemes for internal assessments and end semester examinations(Semester III& IV) (Pharmaceutical Chemistry)

Course Code	Course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
SEMESTER III								
24MPC301T	Research Methodology and Biostatistics-Theory *	10	15	1 HR	25	75	3 HR	100
24MPC302J	Journal Club	-	-	-	25	-	-	25
24MPC303D	Discussion / Presentation (Proposal Presentation)	-	-	-	50	-	-	50
24MPC304RW	Research Work	-	-	-	-	350	1 HR	350
Total								525
SEMESTER IV								
24MPC401J	Journal club	-	-	-	25	-	-	25
24MPC402RW	Research Work	-	-	-	75	-	-	75
24MPC403D	Discussion/Final Presentation	-	-	-	-	400	1 HR	400
Total								500

*Non University Exam

Internal assessment: Continuous mode

The marks allocated for Continuous mode of Internal Assessment shall be awarded as per the scheme given below.

Table: XVII: Scheme for awarding internal assessment: Continuous mode

Theory		
Criteria	Maximum Marks	
Attendance (Refer Table– 30)	8	
Student – Teacher interaction	2	
Total	10	
Practical		
Attendance (Refer Table– 30)	5	10
Based on Practical Records, Regular viva voce, etc.	5	10
Total	10	20

Table XVIII: Guidelines for the allotment of marks for attendance

Percentage of Attendance	Theory	Practical
95 – 100	8	10
90 – 94	6	7.5
85 – 89	4	5
80 – 84	2	2.5
Less than 80	0	0

Sessional Exams

Two Sessional exams shall be conducted for each theory / practical course as per the schedule fixed by the college(s). The scheme of question paper for theory and practical sessional examinations is given below.

The average marks of two Sessional exams shall be computed for internal assessment as per the Requirements given in tables – X.

2. Promotion and award of grades

A student shall be declared PASS and eligible for getting grade in a course of M.Pharm programme if he/she secures at least 50% marks in that particular course including internal assessment.

3. Carry forward of marks

In case a student fails to secure the minimum 50% in any Theory or Practical course as

specified in 12, then he/she shall reappear for the end semester examination of that course. However his/her marks of the Internal Assessment shall be carried over and he/she shall be entitled for grade obtained by him/her on passing.

4. Improvement of internal assessment

A student shall have the opportunity to improve his/her performance only once in the sessional exam component of the internal assessment. The re-conduct of the sessional exam shall be completed before the commencement of next end semester theory examinations.

5. Re-examination of end semester examinations

Reexamination of end semester examination shall be conducted as per the schedule given in table XIII. The exact dates of examinations shall be notified from time to time.

Table XIX: Tentative schedule of end semester examinations

Semester	For Regular Candidates	For Failed Candidates
I and III	November / December	May / June
II and IV	May / June	November / December

6. Allowed to keep terms (ATKT):

No student shall be admitted to any examination unless he/she fulfills the norms given in 6. ATKTrules are applicable as follows:

A student shall be eligible to carry forward all the courses of I and II semesters till the III semester examinations. However, he/she shall not be eligible to attend the courses of IV semester until all the courses of I, II and III semesters are successfully completed.

A student shall be eligible to get his/her CGPA upon successful completion of the courses of I to IV semesters within the stipulated time period as per the norms.

Note: Grade AB should be considered as failed and treated as one head for deciding ATKT. Such rules are also applicable for those students who fail to register for examination(s) of any course in any semester.

7. Grading of performances

17.1. Letter grades and grade points allocations:

Based on the performances, each student shall be awarded a final letter grade at the end of the semester for each course. The letter grades and their corresponding grade points are given in Table-10.

Table XX: Letter grades and grade points equivalent to Percentage of marks and performances

Letter Grade	Marks Range	Grade Point	Description
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	0	REAPPEARANCE
AB	-	0	ABSENT

A learner who remains absent for any end semester examination shall be assigned a letter grade of AB and a corresponding grade point of zero. He/she should reappear for the said evaluation/examination in due course.

8. The Semester grade point average (SGPA)

The performance of a student in a semester is indicated by a number called ‘Semester Grade Point Average’ (SGPA). The SGPA is the weighted average of the grade points obtained in all the courses by the student during the semester. For example, if a student takes five courses (Theory/Practical) in a semester with credits C₁, C₂, C₃ and C₄ and the **student’s** grade points in these courses are G₁, G₂, G₃ and G₄, respectively, and then **students’** SGPA is equal to:

$$SGPA = \frac{C_1G_1 + C_2G_2 + C_3G_3 + C_4G_4}{C_1 + C_2 + C_3 + C_4}$$

The SGPA is calculated to two decimal points. It should be noted that, the SGPA for any semester shall take into consideration the F and ABS grade awarded in that semester. For example if a learner has a F or ABS grade in course 4, the SGPA shall then be computed as:

$$SGPA = \frac{C_1G_1 + C_2G_2 + C_3G_3 + C_4 * ZERO}{C_1 + C_2 + C_3 + C_4}$$

9. Cumulative Grade Point Average (CGPA)

The CGPA is calculated with the SGPA of all the IV semesters to two decimal points and is indicated in final grade report card/final transcript showing the grades of all IV semesters and

their courses. The CGPA shall reflect the failed status in case of F grade(s), till the course(s) is/are passed. When the course(s) is/are passed by obtaining a pass grade on subsequent examination(s) the CGPA shall only reflect the new grade and not the fail grades earned earlier. The CGPA is calculated as:

$$\text{CGPA} = \frac{C_1S_1 + C_2S_2 + C_3S_3 + C_4S_4}{C_1 + C_2 + C_3 + C_4}$$

where C_1, C_2, C_3, \dots is the total number of credits for semester **I, II, III, \dots** and S_1, S_2, S_3, \dots is the SGPA of semester **I, II, III, \dots**

10. Declaration of class

The class shall be awarded on the basis of CGPA as

follows: First Class with Distinction = 8 and above

First Class = 6.50 to 7.99

Second Class = 5.00 to 6.49

11. Project work

All the students shall undertake a project under the supervision of a teacher in Semester III to IV and submit a report. 4 copies of the project report shall be submitted (typed & bound copy not less than 75 pages). The internal and external examiner appointed by the University shall evaluate the project at the time of the Practical examinations of other semester(s). The projects shall be evaluated as per the criteria given below.

Evaluation of Dissertation Book:

Objective(s) of the work done	50 Marks
Methodology adopted	150 Marks
Results and Discussions	250 Marks
Conclusions and Outcomes	50 Marks

Total 500 Marks

Evaluation of Presentation:

Presentation of work	100 Marks
Communication skills	50 Marks
Question and answer skills	100 Marks

12. Award of Ranks

Ranks and Medals shall be awarded on the basis of final CGPA. However, candidates who fail in one or more courses during the M.Pharm program shall not be eligible for award of ranks. Moreover, the candidates should have completed the M. Pharm program in minimum prescribed number of years, (two years) for the award of Ranks.

13. Award of degree

Candidates who fulfill the requirements mentioned above shall be eligible for award of degree during the ensuing convocation.

14. Duration for completion of the program of study

The duration for the completion of the program shall be fixed as double the actual duration of the program and the students have to pass within the said period, otherwise they have to get fresh Registration.

15. Revaluation I Retotaling of answer papers

There is no provision for revaluation of the answer papers in any examination. However, the candidates can apply for retotaling by paying prescribed fee.

16. Re-admission after break of study

Candidate who seeks re-admission to the program after break of study has to get the approval from the university by paying a condonation fee

FACULTY OF PHARMACY

PG PROGRAM (CBCS) – M.PHARM (PHARMACEUTICAL ANALYSIS) (2024–2025 Batch and onwards)

Course code	Name of the course	Objectives and outcomes		Instruction hours / week			Credit(s)	Maximum Marks		
		LEOs	POs	L	T	P		CIA	ESE	Total
								25	75	100
SEMESTER – I										
24MPA101T	Modern Pharmaceutical Analytical Techniques -Theory	1,2	a,c,d,h,j	4	-	-	4	25	75	100
24MPA102T	Advanced Pharmaceutical Analysis -Theory	1,2	a,c,d,h,i,j	4	-	-	4	25	75	100
24MPA103T	Pharmaceutical Validation - Theory	1,2	a,d,h,j	4	-	-	4	25	75	100
24MPA104T	Food Analysis - Theory	1,2,3	a,b,h,i	4	-	-	4	25	75	100
24MPA105P	Pharmaceutical Analysis - Practical I	1,2,4	a,b,c,d,h,i,j	-	-	6	3	25	50	75
24MPA106P	Modern Pharmaceutical Analytical Techniques - Practical	1,2,4	a,b,c,d,h,i,j	-	-	6	3	25	50	75
24MPA107S	Seminar/Assignment	-	-	7	-	-	4	100	-	100
Semester Total				23	-	12	26	250	400	650
SEMESTER – II										
24MPA201T	Advanced Instrumental Analysis - Theory	1,2,4	a,b,c,d,h,i,j	4	-	-	4	25	75	100
24MPA202T	Modern Bio-Analytical Techniques - Theory	1,2	a,b,c,d,h,i,j	4	-	-	4	25	75	100
24MPA203T	Quality Control and Quality Assurance - Theory	1,2	a,d,f,h,j	4	-	-	4	25	75	100
24MPA204T	Herbal and Cosmetic analysis - Theory	1,2	a,b,c,d,f,h,j	4	-	-	4	25	75	100
24MPA205P	Pharmaceutical Analysis- Practical II	1,2,4	a,b,c,d,j	-	-	12	6	50	100	150
24MPA206S	Seminar/Assignment	-	-	7	-	-	4	100	-	100
Semester Total				23	-	12	26	250	400	650
SEMESTER - III										
24MPA301T	Research Methodology and Biostatistics - Theory *	2,5	b,c,j	4	-	-	4	25	75	100
24MPA302J	Journal Club	-	-	1	-	-	1	25	-	25

24MPA303D	Discussion / Presentation (Proposal Presentation)	-	-	2	-	-	2	50	-	50
24MPA304RW	Research Work	1,2 , 3,4 , 5	a,b,c, d ,e,f,g ,h,i,j	-	-	28	14	-	350	350
Semester Total				7	-	28	21	100	425	525
SEMESTER – IV										
24MPA401J	Journal Club	-	-	1	-	-	1	25	-	25
24MPA402RW	Research Work	1,2 , 3,4 , 5	a,b,c, d ,e,f,g ,h,i,j	-	-	31	16	75	-	75
24MPA403D	Discussion / Final Presentation	-	-	3	-	-	3	-	400	400
Semester Total				4	-	31	20	100	400	500

* Non-University Exam

PROGRAMME OUTCOMES (PO)

- a. Pharmacy Knowledge: Demonstrate knowledge of the basic pharmaceutical sciences and the ability to acquire, manage and use current information for problem solving. Describe the synthesis, formulation, analysis, pharmacological, pharmacognostical, biotechnological and regulatory aspects of drugs and biopharmaceuticals. Identify the rules and regulations involved in the drug discovery and development, manufacture, distribution and sale of medicines.
- b. Planning Abilities: Demonstrate effective planning abilities including time management, resource management, delegation skills and organizational skills. Develop and implement plans and organize work to meet deadlines using modern tools.
- c. Research: An ability to independently carry out research /investigation and development work to solve practical problems. Apply critical thinking skills, including investigation, application, analysis, creativity, evaluation of information, data and documents related to research investigation.
- d. Problem analysis: Develop problem-based learning approach and analytical thinking in his/her academic and professional life. Utilize the principles of scientific enquiry, thinking analytically, clearly and critically, while solving problems and making decisions during daily practice. Find, analyze, evaluate and apply information systematically and shall make defensible decisions.
- e. Leadership qualities: Demonstrate the ability to plan and implement professional activities. Act efficiently as a leader in the diverse areas of the profession.
- f. Communication Skills: Communicate effectively with the pharmacy community and with society at large, such as, being able to comprehend and write effective reports, make effective presentations and documentation, and give and receive clear instructions. Imbibe the skills of scientific communication and research writing.
- g. The Pharmacist and society: Apply the knowledge and skills gained through education to gain recognition in professional circle and society. Participate in healthcare initiatives to create awareness in society about the effective and safe use of medicines.
- h. Professional Ethics: Exercise ethical practices and moral values in personal and professional endeavors. Honour personal values and apply ethical principles in professional and social contexts. Demonstrate behavior that recognizes cultural and personal variability in values, communication and lifestyles. Use ethical frameworks; apply ethical principles while making decisions and take responsibility for the outcomes associated with the decisions.
- i. Environment and sustainability: Understand the impact of the professional pharmacy solutions in societal and environmental contexts, and demonstrate the knowledge of, and need

for sustainable development.

- j. Life-long learning: Tackle professional challenges through lifelong learning attitude. Work in a team and participate in lifelong learning and continuous improvement in the profession.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

PSO k: Understand a core and basic knowledge in different subjects of Pharmaceutical Sciences. To prepare graduate to success in technical or professional careers in various pharmaceutical industry and/or institute and /or Health care system through excellent real time exposure to rigorous education.

PSO l: Analyze the relationships among Pharmaceutics, Pharmaceutical and Medicinal Chemistry, Pharmacology and Pharmacognosy subjects. Understand the applications of Pharmaceutical Sciences in drug and formulation development, drug analysis, drug safety and efficacy in medicine.

PSO m: Perform procedures as per laboratory standards in the areas of Pharmaceutical Sciences.

PSO n: To strengthen the professional and ethical attitude, effective communication skills, teamwork skills, multidisciplinary approach, and an ability to relate pharmaceutical sciences issues to broader social context.

PSO o: To streams a lifelong career of personal and practicing professional growth with ethical codes and self-esteem for a highly productive career and to relate the concepts of Pharmaceutical Sciences towards serving the cause of the society.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

PEO 1

To provide a comprehensive and advanced pharmaceutical education leading to M. Pharm. Degree.

PEO 2

To integrate pharmacy knowledge and skills with pharmaceutical research.

PEO 3

To develop pharmacists to contribute effectively in the social health care system.

PEO 4

To provide hands on training through state of art infrastructure to inculcate research aptitude in pharmaceutical sciences.

PEO 5

To inculcate leadership and entrepreneurship capabilities in future pharmacy professionals.

MAPPING

PO	a	b	c	d	e	f	g	h	i	j	PSO k	PSO l	PSO m	PSO n	PSO o
PEO 1	X						X	X		X	X	X	X		
PEO 2	X	X	X	X		X		X		X	X	X	X	X	X
PEO 3	X	X		X		X	X	X	X	X	X	X		X	X
PEO 4	X	X	X	X						X	X	X	X	X	X
PEO 5	X	X	X	X	X	X		X	X	X				X	X

Note: (a-k denoted the above mentioned PO)

FACULTY OF PHARMACY
PG PROGRAM (CBCS) – M.PHARM (PHARMACEUTICS)
(2024–2025 Batch and onwards)

Course code	Name of the course	Objectives and outcomes		Instruction hours / week			Credit(s)	Maximum Marks		
		PEOs	POs	L	T	P		CI	ES	Total
								A	E	
							25	75	100	
SEMESTER - I										
24MPH101T	Modern Pharmaceutical Analytical Techniques - Theory	1,2	a,c,d,h j	4	-	-	4	25	75	100
24MPH102T	Drug Delivery System - Theory	1,2	a,c,d,h,j	4	-	-	4	25	75	100
24MPH103T	Modern Pharmaceutics - Theory	1,2,4	a,c,d,h,j	4	-	-	4	25	75	100
24MPH104T	Regulatory Affairs - Theory	1,2, 3	a,b,d,e,h,i	4	-	-	4	25	75	100
24MPH105P	Pharmaceutics - Practical I	1,2, 4	a,b,c,d ,h,i,j	-	-	6	3	25	50	75
24MPH106P	Modern Pharmaceutical Analytical Techniques - Practical	1,2, 4	a,b,c,d ,h,i,j	-	-	6	3	25	50	75
24MPH107S	Seminar/Assignment	-	-	7	-	-	4	100	-	100
Semester Total				23	-	12	26	250	400	650
SEMESTER – II										
24MPH201T	Molecular Pharmaceutics - Theory (Nano Technology and Targeted DDS) (NTDS)	1,2,4	a,c,d ,h,j	4	-	-	4	25	75	100
24MPH202T	Advanced Biopharmaceutics and Pharmacokinetics -Theory	1,2	a,b,c,d ,h,i,j	4	-	-	4	25	75	100
24MPH203T	Computer Aided Drug Delivery System -Theory	1,2,4	a,c,d,h ,j	4	-	-	4	25	75	100
24MPH204T	Cosmetics and Cosmeceuticals - Theory	1,2,5	a,c,d,g ,h,j	4	-	-	4	25	75	100
24MPH205P	Pharmaceutics – Practical II	1,2,4	a,b,c,d ,h,i,j	-	-	12	6	50	100	150
24MPH206S	Seminar/Assignment	-	-	7	-	-	4	100	-	100
Semester Total				23	-	12	26	250	400	650
SEMESTER- III										
24MPH301T	Research Methodology and Biostatistics - Theory*	2,5	b,c,j	4	-	-	4	25	75	100
24MPH302J	Journal Club	-	-	1	-	-	1	25	-	25

24MPH303D	Discussion/Presentation (Proposal Presentation)	-	-	2	-	-	2	50	-	50
24MPH304RW	Research Work	1,2, 3,4, 5	a,b,c,d ,e,f,g,h,i ,j	-	-	28	14	-	350	350
Semester Total				7	-	28	21	100	425	525
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24MPH401J	Journal Club	-	-	1	-	-	1	25	-	25
24MPH402RW	Research Work	1,2, 3,4, 5	a,b,c,d ,e,f,g,h,i ,j	-	-	31	16	75	-	75
24MPH403D	Discussion/Final Presentation	-	-	3	-	-	3	-	400	400
Semester Total				4	-	31	20	100	400	500

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- a. Pharmacy Knowledge: Demonstrate knowledge of the basic pharmaceutical sciences and the ability to acquire, manage and use current information for problem solving. Describe the synthesis, formulation, analysis, pharmacological, Pharmacognostical, biotechnological and regulatory aspects of drugs and biopharmaceuticals. Identify the rules and regulations involved in the drug discovery and development, manufacture, distribution and sale of medicines.
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- d. Problem analysis: Develop problem-based learning approach and analytical thinking in his/her academic and professional life. Utilize the principles of scientific enquiry, thinking analytically, clearly and critically, while solving problems and making decisions during daily practice. Find, analyze, evaluate and apply information systematically and shall make defensible decisions.
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- f. Communication Skills: Communicate effectively with the pharmacy community and with society at large, such as, being able to comprehend and write effective reports, make effective presentations and documentation, and give and receive clear instructions. Imbibe the skills of scientific communication and research writing.
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MAPPING

PO	a	b	c	d	e	f	g	h	i	j	PSO k	PSO l	PSO m	PSO n	PSO o
PEO 1	X						X	X		X	X	X	X	X	
PEO 2	X	X	X	X		X		X		X	X	X	X	X	X
PEO 3	X	X		X		X	X	X	X	X	X	X		X	X
PEO 4	X	X	X	X						X	X	X	X	X	X
PEO 5	X	X	X	X	X	X		X	X	X				X	X

Note: (a-k denoted the above mentioned PO)