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NADIMPALLI SATYANARAYANA RAJU INSTITUTE OF TECHNOLOGY

(AUTONOMOUS)

(Approved by AICTE, New Delhi & Permanently Affiliated to JNTUGV, Vizianagaram)
Recognized under Section 2(f) & 12(B) of the UGC Act, 1956 | Accredited by NAAC with 'A' Grade



Office of the Controller of Examinations

Guidelines for Continuous Internal Assessment and Semester End Examinations

Theory (Internal: 30 Marks | External 70 Marks)

Continuous Internal Assessment #1 with duration of 90 Minutes (I & II units)

Descriptive Examination	: 15 Marks
Objective Type Examination	: 10 Marks
Assignment	: 05 Marks

Continuous Internal Assessment #2 with duration of 90 Minutes (III, IV & V units)

Descriptive Examination	: 15 Marks
Objective Type Examination	: 10 Marks
Assignment	: 05 Marks

The objective paper shall be prepared in line with the quality of competitive examinations questions. The descriptive paper shall contain 2 parts. Part A contains 5 short answer type questions each question carries 2 marks to a total of 10 marks. Part B contains 3 either or type questions with an equal weightage of 10 marks to a total of 30 marks. A total of 40 marks are reduced to 15 marks. Any fraction shall be rounded off to the next higher mark. The objective paper shall be conducted for 10 marks on the day of descriptive paper test.

Assignments shall be in the form of problems, mini projects, design problems, slip tests, quizzes etc., depending on the course content. It should be continuous assessment throughout the semester and the average marks shall be considered.

If the student is absent for the mid semester examination, no re-exam shall be conducted and mid semester marks for that examination shall be considered as zero.

First midterm examination shall be conducted for I, II units of syllabus with one either or type question from each unit and third either or type question from both the units. The second midterm examination shall be conducted for III, IV and V units with one either or type question from each unit.

The final internal marks will be awarded by considering 80% of marks secured in the best of the two continuous internal evaluation and 20% marks secured in the other internal test.

Semester End Examination Evaluation (External 70 Marks)

Semester End Examination of theory subjects shall have the following pattern:

- i. Question paper shall be in two parts
- ii. Question - 1 consists of a, b, c, d and e short answer type questions for a total of 10 marks such that each question carries 2 marks.
- iii. There shall be long answer questions
 - a) In each of the questions from 2 (a) or 2 (b), 3 (a) or 3 (b), 4 (a) or 4 (b), 5 (a) or 5 (b) and 6 (a) or 6 (b), there shall be either/or type questions of 12 marks each. Sub questions may be given as 2 (a) – (i) or 2 (a) – (ii). Student shall answer any one of them
 - b) The questions from 2 to 6 shall be set by covering one unit of the syllabus for each question

End examination of theory subjects consisting of two parts of different subjects, for example: Basic Electrical & Electronics Engineering shall have the following pattern:

- i. Question paper shall be in two parts viz., Part A (Electrical) and Part B (Electronics) with equal weightage of 35 marks each.
- ii. In Part A, Question - 1 which consists of a, b, c, d and e short answer questions for a total of 5 marks such that each question carries 1 mark
- iii. In Part A, questions from 2 (a) or 2 (b), 3 (a) or 3 (b) and 4 (a) or 4 (b) there shall be either/or type questions of 10 marks each. Sub questions may be given as 2 (a) – (i) or 2 (a) – (ii). Student shall answer any one of them
- iv. The questions from 2 to 4 shall be set by covering one unit of the syllabus for each question
- v. In Part B, Question - 5 which consists of a, b, c, d and e short answer questions for a total of 5 marks such that each question carries 1 mark
- vi. In Part B, questions from 6 (a) or 6 (b), 7 (a) or 7 (b) and 8 (a) or 8 (b) there shall be either/or type questions of 10 marks each. Sub questions may be given as 6 (a) – (i) or 6 (a) – (ii) Student shall answer any one of them
- vii. The questions from 6 to 8 shall be set by covering one unit of the syllabus for each question

Laboratory Courses (Internal: 30 Marks)

Total Internal Marks : 30 Marks

Distribution for Continuous Evaluation

Continuous Assessment : 10 Marks

Record : 10 Marks

Internal Test : 10 Marks

Total External Marks : 70 Marks

Experiment, Results (30 Marks) &

Viva – Voce (20 Marks) : 50 Marks

Video Assessment (Learning Outcomes) : 20 Marks (One video shall be uploaded by the student demonstrating the self reflection on that particular laboratory course for grading)

In a practical subject consisting of two parts (Ex: Basic Electrical & Electronics Engineering Lab), the external examination shall be conducted for 70 marks as a single laboratory in 3 hours. Internal examination shall be evaluated as above for 30 marks in each part and final internal marks shall be arrived by considering the average of marks obtained in two parts.

Drawing and Design Related Courses (Internal: 30 Marks | External: 70 Marks)

Total Internal Marks : 30 Marks

Distribution for Continuous Evaluation

Continuous Assessment : 15 Marks

Midterm Examination : 15 Marks

Total External Marks : 70 Marks

Day-to-day work shall be evaluated for 15 marks by the concerned course instructor based on the reports/submissions prepared in the class. And there shall be two midterm examinations in a semester for duration of 2 hours each for 15 marks with weightage of 80% to better mid marks and 20% for the other. The course question paper shall contain 3 either or type questions of equal weightage of 5 marks. There shall be no objective paper in mid semester examination.

The sum of day-to-day evaluation and the mid semester marks will be the final sessional marks for the course.

The Semester End examination pattern for Engineering Graphics, shall consists of 5 questions, either/or type, of 14 marks each. There shall be no objective type questions in the end examination. However, the end examination pattern for other subjects related to design/drawing, multiple branches, etc is mentioned along with the syllabus.

The laboratory records and mid semester test papers shall be preserved for a minimum of 3 years in the respective institutions as per the University norms and shall be produced to the committees of the University as and when the same are asked for.

Mandatory Courses

Assessment : As prescribed in the Academic Regulation
Online certification course : 01 course (in the relevant area of the pursuing mandatory course and the students need to submit the certification of completion for the award of the degree)

Technical Paper Writing

Internal Review #1 : 10 Marks
Internal Review #2 : 10 Marks
Final Review and Presentation : 30 Marks

Paper Publications: Students should publish their technical papers in either peer-reviewed journals or any one of the reputed conferences and submit the published paper. It is mandatory for the award of the degree. Academic regulation suggests publishing the articles either in UGC – CARE or journals indexed by SCOPUS.

Summer Internship (Internal: 50 Marks)

Interim Assessment and Report Writing : 20 Marks
Final Presentation : 30 Marks

Full Summer Internship (Internal: 100 Marks | External: 100 Marks)

Interim Review #1 (Industry Supervisor) : 20 Marks (Rubrics based)
Interim Review #2 (Industry Supervisor) : 30 Marks (Rubrics based)
Terminal Presentation : 15 Marks (Presentation)
Report : 25 Marks
Video Based Assessment : 10 Marks

In all the continuous assessment pertaining to internship, the major focus of the assessment will be predominantly on skills and application of knowledge viz. Communication Skills, Team-Work, Organization Skills, Interpersonal Skills, Analytical and Problem Solving Skills, Leadership Skills, Work Ethics and any specific initiatives by the interns.

Skill Oriented Courses (Internal: 30 Marks | External: 70 Marks)

Interim Assessment and Report Writing : 30 Marks
Total External Marks : 70 Marks
Outcomes : 40 Marks
Final Presentation : 20 Marks
Video Based Assessment : 10 Marks

The outcomes shall be in the form of design, development of working model of a system component or a product and these 40 marks shall be awarded based on Rubrics that addresses Critical Thinking, Creativity, Collaboration and Communication.

Capstone Project (Internal: 60 Marks | External: 140 Marks)

Distribution of Marks (Continuous Internal Assessment)

Innovativeness of the Project	: 05 Marks
Literature Survey	: 05 Marks
Experimentation/Simulation	: 05 Marks
Presentation, Interpretation, Product Development & Analysis of Results	: 10 Marks
Interim Review #1(Presentation)	: 05 Marks
Interim Review #2 (Presentation)	: 05 Marks
Terminal Presentation	: 05 Marks
Report	: 05 Marks
Publication in Conference / Journal (CARE)	: 05 Marks
Video Based Assessment	: 05 Marks (Mandatory)
Online Certification	: 05 Marks (Mandatory)
Total Internal Marks	: 60 Marks
Total External Marks	: 140 Marks

The online certification shall be from MOOCs platform with a minimum duration of 30 – 45 hours and the student need to earn the certification and for which there will not be any further assessment from the institution or program of study.

Community Service Project (External: 100 Marks)

Distribution of Marks

Project Log	: 20 Marks
Project Implementation	: 30 Marks
Project Report	: 25 Marks
Final Presentation	: 25 Marks

A student shall earn the following percentage of minimum percentage of marks in each theory, practical, design and drawing course in B. Tech. program.

- A minimum of 35% of marks for each course Semester End Examinations (SEE) and
- A minimum of 40% marks for each course considering both CIA and SEE taken together

Instructions for Midterm Examination

This is to inform all the HoDs and the department exam cell coordinators that the following points may be kindly be noted before the commencement of the midterm examination

1. The exam cell coordinator at the department level along with HoD will be the custodian for conducting the midterm test
2. Both of them should take the responsibility of seating allotment, invigilation and time management of conducting the examination in their respective block or convenient place with prior permission from the respective departments
3. The exam cell coordinator should share the seating allotment to Office of CoE prior to the commencement of the examination

In addition to the above, the department exam cell coordinator will hold the following responsibilities

- Collecting the question papers from the Office of CoE before 30 minutes of the commencement of the examination
- Submission of attendance report to the Office of CoE indicating the absentees 30 minutes after the commencement of the examination through the technical staff duly signed by the HoD as well as the exam cell coordinator

- Distribution of answer booklets and question papers at a particular place in their department and proper maintenance of reporting and exit time (Log Book)
- Collection of answer booklets from the invigilators at a particular place in the department only after the closing time of examination and distributing the answer booklets to the course instructor for valuation after getting necessary signature from the course instructor
- Monitoring the objective test timings
- The students should be instructed to surrender their mobiles on the dais (at his/her own risk) and the student may be entertained to use the mobile in the same designated seat for attempting objective test after completing the mid examination and handing over the answer booklet to the invigilator
- Malpractice if any should be closed at the department level in purview of the HoD
- No student should be allowed to leave the hall before the closing time of the examination
- Verification of the documents (Question Paper, Answer Key, Objective Test Marks, Mid Marks, Sample Copies of Scanned Answer Booklets, Assignments, Assignment Marks, Result Analysis, etc.)
- Submission of document related to the CIA to the Office of CoE
- No late comers should be entertained
- In case of any absentees, the test may be conducted after taking prior permission from the Chief Superintendent


Principal