



# DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E., New Delhi & Affiliated to JNTUK, Kakinada)  
An ISO 9001:2008, ISO 14001:2004 & OHSAS 18001:2007 Certified Institute.  
NH-5, Anakapalle – 531002, Visakhapatnam, A.P.

Phone: 08924-221111 / 221122/9963981111, www.diet.edu.in, E-mail: [info@diet.edu.in](mailto:info@diet.edu.in)

**JNTUK B.Tech. Regulation-Wise Distribution and Weightage of Marks**

## **R16 Regulations (Applicable for the batches admitted from 2016-17)**

- 1) The performance of a student in each semester shall be evaluated subject-wise with a maximum of **100 marks for theory** subject and **75 marks for practical** subject. The **project work** shall be evaluated for **200 marks**.
- 2) For theory subjects the distribution shall be **30 marks for Internal Evaluation** and **70 marks for the End - Examinations**.
- 3) **For theory subjects, during the semester there shall be 2 tests.**  
The weightage of Internal marks for 30 consists of **Descriptive – 15, Assignment – 05, Objective - 10.**  
The objective examination(Online/Quiz) is for 20 minutes duration.  
The subjective examination is for 90 minutes duration conducted for 15 marks.  
Each subjective type test question paper shall contain 3 questions and all questions need to be answered.  
The Objective (Online/Quiz) examination conducted for 10 marks and subjective examination conducted for 15 marks are to be added to the assignment marks of 5 for finalizing internal marks for 30.
- 4) Final Internal Marks are calculated with **80% weightage for best of the two Mids and 20% weightage for other Mid Exam** .
- 5) As the syllabus is framed for 6 units, the Test-1(both Objective and Subjective) is conducted in 1-3 units and Test-2 in 4-6 units of each subject in a semester.
- 6) The End Semester Examination is conducted covering the topics of all Units for 70 marks.  
**End Exam Paper: Part-A** 1<sup>st</sup> Question is mandatory covering all the syllabus which contains seven 2 marks questions for 14 marks with at least 2 marks of question for each of the six units and in **Part-B** 4 Questions out of 6 Questions are to be answered with each carrying 14 marks . Part-A & Part-B put together gives for 70 marks.
- 7) For practical subjects there shall be continuous evaluation during the semester for **25 internal marks** and **50 end examination marks**. The internal 25 marks shall be awarded as follows: day to day work - 10 marks, Record-5 marks and the remaining 10 marks to be awarded by conducting an internal laboratory test. The end examination shall be conducted by the teacher concerned and external examiner.
- 8) For the **subject having design and/or drawing**, (such as Engineering Graphics, Engineering Drawing, Machine Drawing) and estimation, the distribution shall be 30 marks for internal evaluation ( **20 marks for day – to – day work, and 10 marks for internal tests**) and 70 marks for end examination. There shall be two internal tests in a Semester and the Marks for 10 can be calculated with 80% weightage for best of the two tests and 20% weightage for other test and these are to be added to the marks obtained in day to day work. There is no Online (Quiz) Examination for these subjects. Marks for 30 are uploaded along with Mid-2 marks under Lab Subjects.
- 9) Out of a total of **200 marks for the project work, 60 marks shall be for Internal Evaluation and 140 marks for the End Semester Examination**. The End Semester Examination (Viva – Voce) shall be conducted by the committee. The committee consists of an external examiner, Head of the Department and Supervisor of the Project. The evaluation of project work shall be conducted at the end of the IV year. The Internal Evaluation shall be on the basis of two seminars given by each student on the topic of his project and evaluated by an internal committee.



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- 10) For the **Seminar**, Each student has to be evaluated based on the presentation of any latest topic with report of 10-15 pages and a ppt of min 10 slides. The student shall collect the information on a specialized topic and prepare a technical report, showing his understanding over the topic, and submit to the department, which shall be evaluated by the Departmental committee consisting of Head of the department, seminar supervisor and a senior faculty member. **The seminar report shall be evaluated for 50 marks.** There shall be no external examination for seminar.

## Pass Marks Criteria:

**Minimum Pass Marks for Theory End Exam: 24 out of 70 (35%)**

**Minimum Pass Marks for Theory (Internal(30) + External(70)): 40 out of 100 (40%)**

\* There is no minimum pass mark for Theory Internal.

**Minimum Pass Marks for Lab End Exam: 18 out of 50 (35%)**

**Minimum Pass Marks for Lab (Internal(25)+External(50)): 30 out of 75 (40%)**

\* There is no minimum pass mark for Lab Internal.

**Minimum Pass Marks in Project End Exam: 49 out of 140 (35%)**

**Minimum Pass Marks in Project (Internal(60)+External(140)): 80 out of 200 (40%)**

\* There is no minimum pass mark for Project Internal.

**Minimum Pass Marks for Seminar Subject: 18 out of 50**

\* There is no External Exam for Seminar



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**JNTUK B.Tech. Regulation-Wise Distribution and Weightage of Marks**

## **R13 Regulations (Applicable for the batches admitted from 2013-14)**

- 1) The performance of a student in each semester shall be evaluated subject-wise with a maximum of **100 marks for theory** subject and **75 marks for practical** subject. The **project work** shall be evaluated for **200 marks**.
- 2) For theory subjects the distribution shall be **30 marks for Internal Evaluation** and **70 marks for the End - Examinations**.
- 3) **For theory subjects, during the semester there shall be 2 tests.**  
The weightage of Internal marks for 30 consists of **Descriptive – 15, Assignment – 05, Objective - 10.**  
The objective examination(Online/Quiz) is for 20 minutes duration.  
The subjective examination is for 90 minutes duration conducted for 15 marks.  
Each subjective type test question paper shall contain 3 questions and all questions need to be answered.  
The Objective (Online/Quiz) examination conducted for 10 marks and subjective examination conducted for 15 marks are to be added to the assignment marks of 5 for finalizing internal marks for 30.
- 4) As the syllabus is framed for 6 units, the Test-1(both Objective and Subjective) is conducted in 1-3 units and Test-2 in 4-6 units of each subject in a semester.
- 5) The End Semester Examination is conducted covering the topics of all Units for 70 marks.  
**End Exam Paper: Part-A** contains a mandatory question (Brainstorming/Thought provoking/Case Study) for 22 marks. **Part-B** has 6 Questions (One from each unit). The student has to answer 3 out of 6 and carries a weightage of 16 marks each.
- 6) For practical subjects there shall be continuous evaluation during the semester for **25 internal marks** and **50 end examination marks**. The internal 25 marks shall be awarded as follows: day to day work - 10 marks, Record-5 marks and the remaining 10 marks to be awarded by conducting an internal laboratory test. The end examination shall be conducted by the teacher concerned and external examiner.
- 7) For the **subject having design and/or drawing**, (such as Engineering Graphics, Engineering Drawing, Machine Drawing) and estimation, the distribution shall be 30 marks for internal evaluation ( **20 marks for day – to – day work, and 10 marks for internal tests**) and 70 marks for end examination. There shall be two internal tests in a Semester and the better of the two shall be considered for the award of marks for internal tests. There is no Online (Quiz) Examination for these subjects. Marks for 30 are uploaded along with Mid-2 marks under Lab Subjects.
- 8) Out of a total of **200 marks for the project work, 60 marks shall be for Internal Evaluation and 140 marks for the End Semester Examination**. The End Semester Examination (Viva – Voce) shall be conducted by the committee. The committee consists of an external examiner, Head of the Department and Supervisor of the Project. The evaluation of project work shall be conducted at the end of the IV year. The Internal Evaluation shall be on the basis of two seminars given by each student on the topic of his project and evaluated by an internal committee.
- 9) For the **Seminar**, Each student has to be evaluated based on the presentation of any latest topic with report of 10-15 pages and a ppt of min 10 slides. The student shall collect the information on a specialized topic and prepare a technical report, showing his understanding over the topic, and submit to the department, which shall be evaluated by the Departmental committee consisting of Head of the department, seminar supervisor and a senior faculty member. **The seminar report shall be evaluated for 50 marks**. There shall be no external examination for seminar.



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## **Pass Marks Criteria:**

**Minimum Pass Marks for Theory End Exam: 24 out of 70 (35%)**

**Minimum Pass Marks for Theory (Internal(30) + External(70)): 40 out of 100 (40%)**

**\* There is no minimum pass mark for Theory Internal.**

**Minimum Pass Marks for Lab End Exam: 18 out of 50 (35%)**

**Minimum Pass Marks for Lab (Internal(25)+External(50)): 30 out of 75 (40%)**

**\* There is no minimum pass mark for Lab Internal.**

**Minimum Pass Marks in Project End Exam: 49 out of 140 (35%)**

**Minimum Pass Marks in Project (Internal(60)+External(140)): 80 out of 200 (40%)**

**\* There is no minimum pass mark for Project Internal.**

**Minimum Pass Marks for Seminar Subject: 18 out of 50**

**\* There is no External Exam for Seminar**



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**JNTUK B.Tech. Regulation-Wise Distribution and Weightage of Marks**

## **R10 Regulations (Applicable for the batches admitted from 2010-11)**

- 1) The performance of a student in each semester shall be evaluated subject-wise with a maximum of **100 marks for theory** subject and **75 marks for practical** subject. The **project work** shall be evaluated for **200 marks**.
- 2) For theory subjects the distribution shall be **25 marks for Internal Evaluation** and **75 marks for the End - Examinations**.
- 3) **For theory subjects, during the semester there shall be 2 tests.**  
The weightage of Internal marks for **25** consists of **Descriptive – 15, Objective -10**.  
The objective examination (Online/Quiz) is for 20 minutes duration.  
The subjective examination is for 120 minutes duration conducted for 40 marks (and later reduced to 15 marks). Each subjective type test question paper shall contain 4 questions and all questions need to be answered.  
The Objective (Online/Quiz) examination conducted for 10 marks and subjective examination conducted for 15 marks are to be added for finalizing internal marks for 25.
- 4) As the syllabus is framed for 8 units, the Test-1(both Objective and Subjective) is conducted in 1-4 units and Test-2 in 5-8 units of each subject in a semester.
- 5) The End Semester Examination is conducted covering the topics of all Units for 75 marks.  
**End Exam Paper:** 5 Questions out of 8 Questions are to be answered with each carrying 15 marks.
- 6) For practical subjects there shall be continuous evaluation during the semester for **25 internal marks** and **50 end examination marks**. The internal 25 marks shall be awarded as follows: day to day work - 10 marks, Record-5 marks and the remaining 10 marks to be awarded by conducting an internal laboratory test. The end examination shall be conducted by the teacher concerned and external examiner.
- 7) For the **subject having design and/or drawing**, (such as Engineering Graphics, Engineering Drawing, Machine Drawing) and estimation, the distribution shall be 25 marks for internal evaluation ( **15 marks for day – to – day work, and 10 marks for internal tests**) and 75 marks for end examination. There shall be two internal tests in a Semester and the better of the two shall be considered for the award of marks for internal tests. There is no Online (Quiz) Examination for these subjects. Marks for 25 are uploaded along with Mid-2 marks under Lab Subjects.
- 8) Out of a total of **200 marks for the project work, 50 marks shall be for Internal Evaluation and 150 marks for the End Semester Examination**. The End Semester Examination (Viva – Voce) shall be conducted by the committee. The committee consists of an external examiner, Head of the Department and Supervisor of the Project. The evaluation of project work shall be conducted at the end of the IV year. The Internal Evaluation shall be on the basis of two seminars given by each student on the topic of his project and evaluated by an internal committee.

### **Pass Marks Criteria:**

**Minimum Pass Marks for Theory End Exam: 26 out of 75 (35%)**

**Minimum Pass Marks for Theory (Internal(25) + External(75)): 40 out of 100 (40%)**

**\* There is no minimum pass mark for Theory Internal.**

**Minimum Pass Marks for Lab End Exam: 18 out of 50 (35%)**

**Minimum Pass Marks for Lab (Internal(25)+External(50)): 30 out of 75 (40%)**

**\* There is no minimum pass mark for Lab Internal.**

**Minimum Pass Marks in Project End Exam: 52 out of 150 (35%)**

**Minimum Pass Marks in Project (Internal(50)+External(150)): 80 out of 200 (40%)**

**\* There is no minimum pass mark for Project Internal.**