

# **Continuous Evaluation Guidelines**

## **L. D. College of Engineering, Ahmedabad**

(Effective from *December 2019*)

It is a matter of great pleasure for us to announce that three UG courses (B.E. Civil, B.E. Mechanical and B.E. Electrical) of our institute are accredited for three years (July 2019 to June 2022). In view of the mandatory requirements of NBA accreditation and in the interest of students, we are going to implement continuous evaluation scheme from the current academic semester. Internal Component of GTU Exam scheme (theory 30 marks and practical/tutorial 50 marks) will henceforth be evaluated on the basis of Continuous Evaluation, with following distribution of marks:

<b>Theory component (internal)</b>	
1. Class Test (CT)	15 marks
2. Assignment Component (AC)	10 marks
3. Class Participation (CP)	05 marks
Total	<b>30 marks</b>
<b>Note: Passing marks 12 out of 30</b>	

### **Rules:**

1. The rules for Class Test are as follows:

The purpose of Class Test is to continuously evaluate the performance of students without disrupting the academic classes during the semester. Hence,

- i. Department will announce one week in advance, which subject Class Test will be conducted in the next week.
- ii. The slot of conducting the test will be the last lecture of that subject in the particular week. For example, if a subject has three lectures on Monday, Tuesday and Thursday, then the Class Test will be conducted on Thursday in the lecture slot of that subject. Alternate arrangement of class time table (if needed) will be made in order to conduct the test of whole class (including all divisions) simultaneously.
- iii. For each subject one Class Test is to be conducted for current semester.
- iv. The Class Test is of 1 hour duration having 15 marks.
- v. During a particular week preferably only one Class Test for one of the subjects may be conducted during last lecture of week.
- vi. The Class Test should cover at least 25% of the syllabus of GTU, which is recently covered in the class for each subject.
- vii. Student will not be allowed to take the Class Test, if his/her average attendance in theory, tutorial and practical in all subjects is below 75% till the previous week of the Class Test. Implementation starts 12<sup>th</sup> December, 2019 onwards.
- viii. For any college level activity like participation in sports /cultural events etc. prior approval of HOD and concerned faculty in-charge must be obtained. In case of the students having prior approvals only, an additional Class Test may be arranged by the concerned faculty member.

2. The rules for Assignment Test for a subject are as follows:

The purpose of Assignment Component (AC), is to train the students in attempting Analytical, Design, Computational and Complex Problems in their end Semester University Exams.

Hence the students should be able to understand and apply their theoretical knowledge to higher levels of problems. Care should be taken that direct examples which can be copied or attempted by merely replacing figures, from Open Books, are not asked in these Assignments.

Faculty co-ordinator of the concerned subject can guide the students regarding fundamental applications of theory to problem solution, but students should be able to apply their logical reasoning for problem solution. Thus standard reference books and mentoring by faculty shall be allowed in these Tests.

- i. Assignment Component can be conducted during practical / tutorial hours without prior intimation.
  - ii. *Minimum* two Assignments each of 10 marks are to be conducted for the current semester and *average marks of all assignments submitted by the student shall be* considered for assigning marks out of 10 for Assignment Evaluation.
  - iii. Each assignment should contain minimum 3 problems addressing comprehension, Analysis, Design, numerical computations etc. It should not be of objective/MCQ type.
  - iv. Assignment can be given in a group of 3-4 students. Group will solve assignment jointly.
  - v. The assignment should be based on topics covered during last two weeks of conducting an assignment.
  - vi. Assignment problems can be common or different for whole class, but it should be conducted in the presence of concern faculty member maintaining examination etiquette.
  - vii. For any college level activity like participation in sports/cultural events etc.. prior approval of HOD and concerned faculty in-charge must be obtained. In case of the students having prior approvals only, an additional assignment test may be arranged by the concerned faculty member.
  - viii. Faculty member has to evaluate and maintain the record of all groups of a class.
  - ix. Assignment problems should address maximum course outcomes (Cos) of the subject as per NBA requirements.
3. Class Participation (CP): Faculty will monitor student's involvement, interaction and discipline in theory classes during the semester. Faculty will evaluate the student throughout the semester and assign marks out of total 5 for CP component.



<b>Practical/Tutorial component (internal)</b>	
1. Continuous evaluation of journals including Viva Voce	30 marks
2. Quiz/Open ended problems	10 marks
3. Lab/Tutorials class Participation (CP)	10 marks
Total	<b>50 marks</b>
<b>Note: Passing marks 25 out of 50</b> <b>If the practical component marks of a subject is not equal to 50, evaluation must be done as per suggested scheme of 50 marks and obtained marks should be scaled to actual marks for entry on GTU portal. Fractions must be rounded to nearest integers in such cases.</b>	

#### **Rules:**

1. The rules for continuous evaluation of journals are as follows:

The main purpose of continuous evaluation of lab component is to improve the teaching-learning process and to distribute the work load of term work done by the students uniformly throughout the semester. Another important objective is to expose the real life applications of theoretical knowledge and to improve analytical skills of the students. Hence,

- i. All the faculty members will regularly check the journals of their respective lab hours as per the assigned time table. The students are supposed to finish the journal of the experiments/problems discussed in a lab/tutorial class latest by the next time table slot of same laboratory/tutorial in the coming week.
- ii. Concerned faculty member will maintain the record of marks given to each student in each of the laboratory/tutorial class on regular basis and final marks (out of 30) will be allotted based on this assessment.
- iii. The assessment task may be completed by concerned faculty member as per his/her convenience. Assistance of PG students receiving GATE stipend from the respective department may also be availed for such assessments (if needed).
- iv. Technical discussions should be encouraged by each faculty member during his/her laboratory/tutorial periods.
- v. For any college level activity like participation in sports/cultural events etc.. prior approval of HOD and concerned faculty in-charge must be obtained. In case of the students having prior approvals only, exemption in regular submission of journals may be considered by the concerned faculty member on case to case basis.

2. The rules for Quiz/Open ended problems are as follows:

The purpose of Quiz/Open ended problems is to motivate the students to think out of the box and to improve the innovation skills of the students.


Concerned faculty members may arrange active learning assignments, group discussions, technical quizzes during their regular lab/tutorial classes. Open ended problems based on the curriculum and latest technological developments in the subject being taught may be given as a challenge to the students.

Faculty member of the concerned subject can provide hints to the students regarding solution approach but students should be able to apply their logical reasoning for problem solution. Thus standard reference books, use of available software, material available online and mentoring by faculty shall be allowed in these Tests.

- a. Quiz/Open ended problems can be assigned during practical/tutorial hours without prior intimation.
  - b. *Minimum* two activities each of 10 marks are to be conducted for the current semester and *average marks of all activities successfully completed by the student* shall be considered for assigning marks out of 10 for this evaluation component.
  - c. The type of activity/assignment/quiz will be judiciously decided by the concerned faculty member considering the curriculum and future trends in the domain.
  - d. Such activities can be done in a group of 3-4 students. Group will solve the problem jointly or attempt the quiz jointly.
  - e. For any college level activity like participation in sports/cultural events etc., prior approval of HOD and concerned faculty in-charge must be obtained. In case of the students having prior approvals only, an additional activity may be arranged by the concerned faculty member.
  - f. Faculty member has to evaluate and maintain the record of all students of a class.
  - g. Assignment problems should address maximum course outcomes (Cos) of the subject as per NBA requirements.
3. Lab/tutorials Class Participation (CP): Faculty will monitor student's involvement, interaction and discipline in laboratory/tutorial classes during the semester. Faculty will evaluate the student throughout the semester and assign marks out of total 10 for CP component.

**Note:**

As of now, Final year students (currently studying in *sem VIII*), are not covered in the new continuous evaluation scheme. Hence regular system of MST exam and End sem Viva Voce exam will be continued for the students currently studying in semester VIII.

  
Principal,  
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