

FACULTY OF TECHNOLOGY
(UNIVERSITY OF DELHI)
SCHEME OF EXAMINATION

1. There shall be the following four year Degree Courses under the Faculty of Technology;

- i Bachelor of Engineering (Electrical)
- ii Bachelor of Engineering (Electronics & Communication)
- iii Bachelor of Engineering (Mechanical)
- iv Bachelor of Engineering (Civil)
- v Bachelor of Engineering (Production & Industrial)
- vi Bachelor of Engineering (Polymer Science and Chemical Technology)
- viii Bachelor of Engineering (Computer) (viii) Bachelor of Engineering (Instrumentation & Control)
- ix Bachelor of Engineering (Manufacturing Process & Automation)

2. In addition to the conditions laid down in Ordinance I, a candidate seeking admission to any of the above Courses of study for the bachelor's Degree should satisfy the following conditions.

(a) Educational Qualifications :

A candidate passing any one of the following examinations and securing 60 per cent or more marks in the aggregate of Physics, Chemistry and Mathematics shall be eligible for admission to the first Semester of Bachelor of Engineering Course provided he/she has passed in each subject separately;

(i) Senior School Certificate Examination (12 year Course of the Central Board of Secondary Education (C.B.S.E.), New Delhi.

(ii) Indian School Certificate Examination (12year Course) of the Council for Indian School Certificate Examination, New Delhi.

(iii) B.Sc. (Gen.) Group 'A' final Examination of the University of Delhi or equivalent examination.

(iv) B.Sc. (Hons.) Examination in Physics, Chemistry and Mathematics of the University of Delhi with Combination of Physics, Chemistry, Mathematic and equal weightage to the subsidiary subjects or equivalent examination.

(v) Any other examination recognized as equivalent to the Senior School Certificate Examination of the C.B.S.E.by the University of Delhi.

A Candidate must additionally have passed English as a subject of study either at the 10th class level or 12th class (core or elective). Note ; There shall be no direct admission to any level of the Courses above the 1st Semester.

3. Under each B.E. Degree Course certain subjects are offered which can be classified as Theory/Practical/Drawing/Design/Project/Practical Training Further classification is based on the relationship of the subjects with the degree courses admitted to, namely Humanities S Social Science/Basic Sciences/Allied Engineering; Departmental, Core, etc. In addition to the above, a subject could be classified as a compulsory one or as one of the pre-requisite for another subject. The committee of Courses and studies of the concerned Department shall do this classification.

4. A student who joins the first semester will ! be automatically, deemed to have registered for the subjects which are listed under the first Semester of the SUGGESTED SCHEME OF LEARNING. Every student is required to register for the subjects to be taught in the second and subsequent semesters. This process of registration shall start just before the start of next semester. The student" will also indicate during registration of subject/subjects of earlier Semester(s) in which he/she desires to appear, if otherwise eligible. Such a student will be allowed to appear in the End Semester Examination and his/her marks of mid terms activities will remain

unaltered since attendance is compulsory, a student will be permitted to register for course/courses which he can attend. The number of theory subjects permitted will not be more than five. The total duration of contact Periods should not ordinarily exceed thirty hours per week.

5. B.E. Degree shall be awarded if a student has earned a minimum of 220 credits as specified in each degree programme subject to break up and compulsory credit as mentioned there in. However, a student may register in subjects leading to a maximum of 240 credits in the entire course. A student should keep a watch on his progress and register in those papers in which he must earn the credit to satisfy the above requirement of the particular degree. If a student earns more than a specified minimum credit for degree the best marks in the minimum credits (satisfying the above conditions) will be considered for the purposes of classification of result.

6. EVALUATION AND REVIEW :

The Committee of Courses and studies in each department shall specify the following for the degree course :

(a) Suggested Scheme of Learning.

(b) Minimum credits needed for the degree course and break up in terms of classification of courses i.e.

(i) Humanities and Social Sciences

(ii) Basic Sciences

(iii) Allied Engineering

(iv) Departmental core

(v) Practical Training

(vi) Unspecified/Electives and

(vii) Major Project

The Committee of Courses & Studies in each department shall appoint one or more Evaluation-cum-Review Committees each dealing with a group of subjects. This E.R.C. consist of the teachers who are likely to teach subjects in the group.

The E.R.C. has the following functions:

(i) To recommend appointment of paper setters/ examiners of various examinations at the start of each Semester,

(ii) To get prepared quizzes, assignments, test papers etc. for the mid-term and the end semester examination and to get them evaluated. Normally each concerned teacher, who is also a member of E.R.C, will do this job for his class. However, in exceptional circumstances any part of the work will be entrusted to some other member of E.R.C.

(iii) The mode of evaluation of the mid-term activities whose weightage shall be 30% and the end of term examination whose weightage shall be 70% (The mid-term activities will be of one midterm test or 20% weightage which will be supplemented by assignments, quizzes etc. for a theory course with weightage of 10%). For a practical Course, 30% weightage be given for internal evaluation and 70% for End Semester Examination: At the end of the Semester, the E.R.C. Chairman will send to the University the consolidated marks for the mid-term activities and the End semester in separate column for tabulation and for declaration of result.

(iv) To consider the individual representation of students about evaluation and take the remedial action if needed. After scrutinizing the E.R.C. may alter the marks awarded upward/downward. The decision of the E.R.C. shall be final. The candidate shall apply for the same on a prescribed proforma along with the evaluation fee prescribed by the University from time to time only for the End Semester Examination within seven days from the date of declaration of result.

(v) To moderate the quiz/assignment/test papers given by each concerned teacher in his class with a view to maintain uniformity of standards and course coverage amongst various classes and to attain stipulated level of learning. (vi) To review and moderate the midterm and end of term results of each class with a view to maintain uniformity of standards and after finalization to submit the same for classification of the results.

(vii) To lay guide-lines for teaching a subject.

7. CLASSIFICATION OF RESULT:

A Student has to secured 40% or more marks in a subject evaluation to earn the credits assigned to the subject. A student after having secured the minimum credit as needed for the degree course will be eligible for the award of degree. The final result will be evaluated as below:

Each subject will carry 100 marks.

$$\text{average Marks} = \frac{\sum \text{credits} \times \text{marks secured}}{\sum \text{credits}}$$

(See clause 5 for best grades in the minimum credits)

The final result will be classified based on the average marks as follows.

First Class with Distinction 75% or more

First Class 60% or more but less than 75%

Second Class 50% or more but less than 60%

Pass Class 40% or more but less than 50%

8. A Student has to put in a minimum of 75% attendance separately in each Subject for which he has registered. A relaxation up to a maximum of 25% may be given on the production of satisfactory evidence that:

- (a) The student was busy in authorized activities.
- (b) The student was ill.

Note: (i) A student should submit the evidence to the above fact within three working days of resuming the studies. Certificates submitted later will not be considered.

(ii) No relaxation in attendance beyond 25% is permitted in any case.

(ii) The registration of a student stands cancelled if his attendance requirements are not satisfied in the subject.

9. The duration of the course is not less than 8 Semesters and the span is not more than 14 semesters. A student who earns 15 credits or less at the end of the first semester will receive a warning for his/her poor performance, if he fails to earn at least 25 credits at the end of second semester, he has to leave the course and institution. In case a student has not earned a minimum of 100 credits at the end of eight semester, his admission to the course and the institution stands cancelled. The admission stands cancelled at the end of 14th Semester in any case.

10. The institution/University May cancel the registration of all the subjects in a given semester if :

(i). The students has not cleared the dues to the institution/hostel.

(ii). A punishment is awarded leading to the cancellation.

At discretion of the institution the result may be withheld even if the registration of the student stands.

11. There shall be a Central Advisory Committee consisting of the following:

(a) Dean, Faculty of Technology, (Chairman of the Committee)

(b) Heads, of the Institutions

(c) Heads of the Departments in the Faculty of Technology.

This Committee shall have the following functions.

(i) lay guidelines for the process of registration.

(ii) give an interpretation of the rules in case of difference of opinion which shall be binding on all.

12. Under very exceptional conditions minor relaxations in rules may be allowed and implemented by the Central Advisory Committee. However, same relaxation in rules cannot be granted in a subsequent semester. In case the conditions warrant such a relaxation again, the rules shall have to be amended.

GENERAL NOTES:

1. For all Theory Papers (Code: TH) there is one mid-semester test, of 30 marks (20+10 Assignments) and an end-semester exam of 3' hours duration for 70 marks. The total marks for the Theory Paper is thus 100.

2. For all practical Papers (code: PR) there is semester assessment of 30 marks and an end-semester exam of 3/4 hours duration for 70 marks. The total marks for the Practical Paper is thus 100.

3. For all valuation of Sessional (Code: VS) there is Semester assessment of 100 marks. There is no end-Semester exam for these courses.

4. At VII and VIII Semester level there is assessment of Practical Training Reports by a duly constituted Board. The report is to be submitted by the student after eight weeks of Industrial Training undergone during summer/winter breaks. The total marks associated with each Practical Training Report is 100 marks of which 30 marks are awarded by the Department on the basis of supervision of Industrial Training.

5. At VIII Semester level there is assessment of Project Report by a duly constituted Board. The report is to be submitted by the student of the Project. Work performed at the VII and VIII Semester levels. The total marks associated with the Project Report is 100 marks of which 30 Marks are awarded by the Department on the basis of guidance of Project Work.

6. The total credits in all scheme of Examinations to B.E. Courses upto VIII Semester will be 232 and the denominator for Calculation of average marks for final result will be 220.

7. The Project and the practical Training at VII & VIII Semester are mandatory.

8. Candidates securing 228 to 232 credits are declared to have passed B.E. Final Examination.

9. Candidates securing 221 to 227 credits are declared to have passed B.E. Final examination provided they skip/fail in not more than 4 credits in CORE

10. Candidates securing exactly 220 credits are declared to have passed B.E. final examination, provided they skip/fail in not more than 4 credits in CORE, not more than 4 credits in ALLIED ENGINEERING and not more than 4 credits in APPLIED SCIENCES & HUMANITIES.