

ORDINANCES

FOR

COMMON TO ALL FOUR YEAR B. TECH. ENGINEERING BRANCHES

**Computer Science Engineering (CSE) / Electronics & Communication Engineering (ECE) /
Electronics & Computer Engineering (ECM) / Mechanical Engineering (ME) / Civil Engineering**

Note: To be implemented from **Admission Batch 2018 Onwards.**

1. The courses for Four Year Engineering B. Tech. Program (Computer Science Engineering, Mechanical Engineering, Electronics & Communication Engineering, Electronics & Computer Engineering and Civil Engineering) shall be spread over four academic years consisting of Eight semesters ranging I to VIII (Eight Semesters) The end semester examination for I, III, V and VII semesters i.e. Odd Semesters shall be held in the month of November/December and for the II, IV, VI and VIII semesters i.e. Even Semester in the month of May/June or on other dates as may be decided by Punjabi University.
2. The outlines of syllabi, tests and the credits to a paper/subject shall be prescribed by the University from time to time.
3. The candidate shall be required to submit duly completed admission and examination forms alongwith applicable fee as per prescribed norms within the stipulated specified period in each of the semesters to the department/ University.
4. The medium of examination shall be English for all paper except Punjabi subject.
5. There will be a designated paper instructor/committee for each of the theory/practical paper. This committee shall comprise of concerned faculty members who have taught the said paper in the current semester.
6. Distribution of Marks in theory and practical papers, Grading Definitions, Passing criteria, Detainee criteria and Improvement conditions will as per the details in following subsections:-
 - (A). For each subject/paper (Theory/Practical) the weightage of Mid Term Tests, End Semester Examination and other components of student's evaluation shall be as under:-

Particulars of Examination	Maximum Marks	Duration
1.Theory Papers		
Internal		
First Mid Semester Test	15	1 Hour
Second Mid Semester Test	15	
Continuous Evaluation:	10	1 Hour
Assignments/ Surprise Tests/ Quizzes/ Day-to-Day Performance	10	
Attendance *	10	100
External		
End Semester Examination	50	3 Hours
2.Practical Papers		
(Internal totally)		
Intermediate Evaluation	30	50
Continuous Evaluation:	10	
Surprise test, Quizzes / Day to Day Performance	10	100
Attendance *	10	
End Semester Examination:		50
Performance and report writing	30	
Viva Voice	20	

SGPA is the weighted average of all the grades awarded to a student in a given semester and computed as follows:

$$SGPA = \frac{\sum(C_i G_i)}{\sum C_i}$$

Where C_i denotes credits assigned to the i^{th} paper and G_i indicates the grade point equivalent to the letter grade obtained by the student in the i^{th} paper in a particular semester.

CGPA is the weighted average of all the grades awarded to a student since his/her entry into the University upto and including the latest semester and computed as follows:

$$CGPA = \frac{\sum(C_i G_i)}{\sum C_i}$$

Where C_i denotes credits assigned to the i^{th} paper and G_i indicates the grade point equivalent to the letter grade obtained by the student in the i^{th} paper in that semester.

- (D). **"D" Grade** is awarded to a student who gets detained because of shortage in attendance as per the criteria adopted by Punjabi University from time to time. Such a student shall have to reappear in internal as well as external examinations. If the student gets "F" grade in a particular paper and the student will not be allowed to sit in External End Semester examination with his/her regular batch and will be declared detained in Internal examination although he/she may have secured a minimum of 40% passing marks in internal examination.

A student with **"D" Grade** can clear his/her backlog paper(s) as follow:-

- I. The student will be required to deposit a fee of Rs. 5,000/- per theory Paper(s) and Rs. 3,000/- per practical Paper(s) duly filling the prescribed form within stipulated period. Simultaneously, the student will be required to submit a written application to appear in Internal examination to the Head. The department will arrange for conduction of Internal examination within the semester.
- II. Up to first seven semesters of B. Tech course reappear examination of odd or even Semester Subjects shall be offered only in odd or even semesters respectively. There will be a maximum of three consecutive or successive reappear chances to clear papers. However, there will be no bar on the number of papers in which the candidate can appear.
- III. Amended as under as per directions of Hon'ble VC circulated by Prof. Incharge (Examination) vide office letter No. 1608 Dated 20.02.18.

Upto Batch 2017	Amendment: Batch 2018 Onwards
For the students of final year i.e 7 th and 8 th semesters Backlogs pertaining to both even and odd semesters shall be offered to students in both even and odd semesters as a special case.	This Option No. III will not be available to B. Tech students admitted from year 2018 onwards.

- IV. A ceiling clause will be applicable defined as "The candidate can score maximum **B+ grade** in any of reappear paper".
- V. **For Theory paper:** The reappear student will have to appear in both; A single internal examination of 50 marks (3 hours duration) to be conducted by the department out of the entire syllabus and an external examination of 50 marks (3 hours duration) to be conducted by examination branch of Punjabi University covering entire syllabus of the said paper. The pattern of question paper for both internal examination and external examinations will be the same as end semester examination.

- VI. **For Practical paper:** The detained student in odd or even semester will have to attend the practical classes during corresponding odd or even regular semester course. However, such practical paper may be offered during summer or winter vacations also. Here it may be noted that such papers will be offered in summer or winter vacations only if it is not feasible to accommodate the student in regular semester. The student will have to complete the attendance and performance requirements of the practical paper. The faculty and lab staff engaged during summer or winter vacation conducting the practical classes will be paid remuneration as per University rules. The examination out of 100 marks will be conducted by the department as per the details given in table below:

Practical Reappear (Detainee's) Examination Break up	
Internal Assessment	Maximum Marks
Intermediate Evaluation	30
Continuous Evaluation	10
Attendance	10
End Semester Examination	
Lab performance and report writing	30
Viva-Voice	20
	50
	100

- (E). **"F" Grade** is awarded to a student, who fulfills the attendance requirements in a paper, but secures less than 40% marks i.e. fail in Internal/External theory examination or practical subject i.e. poor/fail in academic performance.
- I. Simultaneously the students will be required to submit a written application to appear in Internal examination to HOD. The department will arrange for conduction of Internal examination within the semester.
 - II. Up to first seven semesters of B. Tech course reappear examination of odd or even Semester Subjects shall be offered only in odd or even semesters respectively. There will be a maximum of three consecutive or successive reappear chances to clear papers. However, there will be no bar on the number of papers in which the candidate can appear.
 - III. Amended as under as per directions of Hon'ble VC circulated by Prof. Incharge (Examination) vide office letter No. 1608 Dated 20.02.18.

Upto Batch 2017	Amendment: Batch 2018 Onwards
<i>For the students of final year i.e 7th and 8th semesters Backlogs pertaining to both even and odd semesters shall be offered to students in both even and odd semesters as a special case.</i>	This Option No. III will not be available to B. Tech students admitted from year 2018 onwards.

- IV. A ceiling clause will be applicable defined as "The candidate can score maximum **B+ grade** in any of reappear paper".
- V. Reappear examination of **theory paper** will be evaluated as per case applicable given below:
 - i. If the student secures less than 40% marks in internal examination only, then the department will conduct the single reappear examination for 50 marks (3 hours duration) covering entire syllabus of said paper and forward the result to the examination branch. The pattern of the paper will be the same as end semester examination.

- ii. If the student secures less than 40% marks in external examination, the student will have to reappear in the external examination for 50 marks (3 hours duration) covering entire syllabus of the said paper to be conducted by examination branch.
- iii. If a student secures less than 40% marks in both Internal and External examinations separately, then the reappear in both internal and external will have to be cleared separately as per (a) & (b)
- VI. In case of reappear due to "F" grade in practical paper(s), the rules of practical paper(s) under "D" grade will be applicable as such (vide 6 (D) VI)
- (F). **Improvement of Grades:** The students who have completed their B. Tech. degree will be given chances to improve the overall percentage as per the following conditions:-
- I. The student will be given maximum two chances for improvement in the immediate two years after passing the B. Tech. course. These chances will be offered during the End semester examination schedule of November /December and May/June only. In any given chance, the student can select maximum **06 theory** papers for the improvement at one time. Thus in two chances, he/she can apply to improve his/her grades in **maximum of 12 theory papers** only. These 12 papers can be taken from any of the eight semesters in which he/she had scored **C and P grades only**. Moreover, improvement in subjects with higher grades **B, B+ and A** will not be allowed. Further, he/she is free to select papers from **Even Semester** while availing an improvement chance in **odd Semester**. Similarly, he/she can select papers from **odd Semester** while availing an improvement chance in **even semester**.
- II. The only one attempt shall be allowed for improving the grades of maximum 12 eligible (i.e. C and P grades only) theory papers.
- III. The improvement fee will be charged Rs 2000/- per paper with a ceiling Rs 10,000/- per chance for six papers
- IV. A ceiling clause on grades will applicable defined as "The candidate can score maximum B+ grade in any of the reappear paper".
- (G). **MOOC Electives:** MOOC courses will be in lieu of elective courses only. Massive Open Online Courses (MOOCs) are available on SWAYAM platform of Government of India, shall be offered through online mode. The subjects which the students can opt from MOOCs will be notified by the department semester-wise time to time.
7. **First Semester Eligibility Condition:** First Semester examination shall be open to a candidate who satisfies the following requirements:

(A). Eligibility Conditions

Upto Batch 2017	Amendment: Batch 2018 Onwards
<i>Had passed 10+2 or equivalent with Physics, Chemistry, Mathematics and English subjects, had been admitted on the basis of their merit in JEE-Mains Rank as per the schedule and guidelines provided by the prospectus of Punjabi University Patiala.</i>	Had passed in 10+2 or equivalent with Physics, Chemistry, Mathematics and English subjects, will be admitted on the basis of criteria: 1) Merit in JEE-Mains Rank. 2) Vacant seats will be offered on the merit of 10+2 marks provided candidate passed with first division (60% in aggregate-General, 55% for ST/SC/Physically Handicapped.)

- (B). Had sought admission to 10+1 and or 10+2 at Yadwindra College of Engineering Talwandi Sabo and College of Engineering Rampura Phul and has passed 10+2 examination of Punjab School Education Board, Mohali (for students joining Yadwindra College of Engineering Talwandi Sabo and College of Engineering Rampura Phul respectively).

In addition to S. No. (A) the following conditions must be met.

- I. Has been on the rolls of the college throughout the semester preceding the examination.
- II. Has attained the required 75% of attendance of the delivered number of periods in each paper/subject. Period of one hour duration shall be counted as one attendance. Similarly one hour of Laboratory/Workshop Practice shall be counted as one attendance. The college shall be required to deliver at least 75% of the total number of prescribed contact hours for each paper/subject.
- III. For late admission the counting of lectures will be consider from the date of deposit of fee.
- IV. In case of a student, whose name has been struck off on account of non-payment of fees, their periods for the time they were not on the rolls, shall not be accounted for the completion of the total period of degree.
- V. The shortage of attendance of lectures by the candidate may be condoned as per rules framed by the University from time to time.

8. Promotion Policy:

(A). A candidate shall be allowed to join the Second, Third, Fourth, Fifth, Sixth, Seventh and Eighth Semester (as the case may be), provided that he/she has undergone a regular course of studies of all the prior semesters as provided under the regulations and fulfils the conditions of promotion as laid down in the ordinance 8(B) and the attendance under ordinance 7(C) (I to V)

(B). Subject to (A) above.

- I. There will be no condition of passing subjects/papers for promotion from odd semester to even semester in an Academic Session.
 - II. To qualify for admission to 2nd year (3rd Semester) of the B.Tech. Programme, the candidate must have passed 50% of the total papers (theory as well as practical) of the previous first semester of the First year (Including qualifying subject or Punjabi). Similarly to qualify for admission to 3rd year (5th semester) of the Programme. The candidate should have passed 50% of the total papers of first three semesters of the earlier two years. (Including qualifying subjects Punjabi & Environment science). To qualify for admission to 4th Year (7th semester) of the Programme, the candidate should have passed 50% of the total papers of first five semesters of the earlier three years
 - III. In addition to aforesaid clauses the clause 7(C) I, 7(C) II, 7(C) III will also be applicable for promotion policy.
9. After the End semester examination and completion of the evaluation process, the Instructor/Committee for the paper shall submit the award lists through the Head of the Department to the Controller of Examinations, while the breakup sheet of various components of total marks of a student must be submitted in the department. The final/external exam for the papers will be conducted by examination branch of Punjabi University, Patiala and the university shall publish the result of the candidates after compilation of all total marks and the letter grades will be awarded to the students based on marks obtained by them out of 100. At the end of every semester, each candidate shall receive a result card/certificate indicating the Grades scored in different subjects along with the Semester Grade Point Average (SGPA) and the Cumulative Grade Point Average (CGPA). Successful candidates at the end of the VIII Semester shall receive a degree stating the division according to the Ordinance No. 10.

10. Definition of Division of B. Tech. Degree as follows:-
- (A). Successful candidates who obtain a CGPA of 6 or more of all the eight semesters taken together shall be placed in First Division, those who obtain a CGPA of 5 or more but less than 6 shall be placed in Second Division. Candidates who obtain a CGPA of 7.5 or more shall be placed in the First Division with Distinction.
- (B). To convert CGPA into percentage of marks, a multiplying factor of 10 (Ten) shall be used. That is, 'Percentage of marks = CGPA x 10. (for example, a CGPA of 7.5 shall be equal to $7.5 \times 10 = 75\%$).
11. A student shall be required to earn a minimum CGPA of 4.0 and a minimum 'P' grade in each and every subject to get the degree.
12. B. Tech Branch Change Policy in 2nd Year (3rd Semester)
- a) The student of B. Tech (2nd semester) will be given an option at the end of second semester to change the branch on the basis of merit (CGPA) of 1st semester result.
- b) The student will be considered for branch change, provided he/she has passed all the courses offered to him/her in the 1st semester of B. Tech. program before applying for branch change.
- c) Branch change will be allowed only if the seats are vacant in the desired branch of B. Tech. or become vacant in the process of branch shuffling.
- d) In the case of tie in CGPA, a tie breaker will be decided as per following guidelines.
- (i) JEE Mains Rank (All India) (ii) 10+2 Percentage (iii) Higher in age.
- e) Branch change will be allowed under the following conditions:-
"The students of **Six Year B. Tech-MBA Integrated Program** will be offered an option to change his or her branch at the end of second semester against the vacant seats in the desired branch of **Six Year B. Tech-MBA Integrated Program Course**.
OR
"The students admitted in the categories of Additional Seats (Foreign Student, Outstanding Sports Person, Rural Area, Kashmiri Migrant, Youth Welfare/Cultural Activities) will be allowed branch change against the vacant seats in the respective category of additional seats only.
13. The maximum time allowed to complete the requirements for the award of B.Tech. degree shall be **EIGHT** Years.
Ordinances 10 and 11 are applicable for degree awarded by Punjabi University.
14. Each successful candidate shall be issued Four Year B. Tech. degree in the concerned branch of Engineering.