

Academic Term for BE (1st Semester)

Academic Term	: 20/07/2009 to 27/11/2009
Diwali Vacation	: 20/10/2009 to 23/10/2009
Mid Semester Examination	: 22/09/2009 to 29/09/2009
End Semester Examination	: 14th December 2009 onwards

GTU Evaluation System

- A minimum attendance criterion for seating in exam is **75%**.
- **Medium of Instruction: ENGLISH**
- **Evaluation Pattern:**

	External Examination (GTU)	Internal Examination (Institute)	TW / Pract/ Assignment / Quiz (Teacher)	Total
Total	70	20	10	100
Minimum required to pass	23	8	4	35

- A student not fulfilling any of the criteria will have a blockage in the subject in mark sheet. There is **no provision for gracing in internal/university exam.**
- For GTU examination, most subjects will have **5 Questions of 14 marks** each, totaling to **70marks**. Paper duration will be **2hrs 30minutes**.
- Total marks of **70% + 30%** will be added by GTU and grade will be given.

Criteria for grading

No.	Marks range	grade	Grade point for SPI
1	85-100	AA	10
2	75-84	AB	9
3	65-74	BB	8
4	55-64	BC	7
5	45-54	CC	6
6	40-44	CD	5
7	35-39	DD	4
8	<35	FF	0

- At any point of time student can have maximum **4 blockages /FF grade pending**. Failing to which student will be considered as **detained (to be considered after Remedial examination conducted by GTU)**
- Student failing in university examination can take **remedial university** exam to be held after 1month of announcement of result by university. However, student cannot take more than **3 subjects in remedial examination**.
- In remedial examination/other than regular examination (University/Internal) students will be awarded minimum grade (**DD**)/marks (**8marks**), provided student passes the examination by getting at least passing marks.
- Students may apply for rechecking in **maximum 4 subjects in external examination only**.
- **Credits for 1st year**

Semester I

Sr. No.	Subjects	Teaching Scheme			
		Theory	Tutorial	Practical	Credits
1	Maths – I	3	2	0	5
2	Physics /Chemistry	3	0	2	5
3	Mech. of Solids	3	0	2	5
4	Engineering Graphics	2	0	4	6
5	Computer Programming and Utilization	2	0	4	6
6	Communication skills	1	0	2	3
Total		14	2	14	30

Semester II

Sr. No.	Subjects	Teaching Scheme			
		Theory	Tutorial	Practical	Credits
1	Maths – II	3	2	0	5
2	Elements of Civil Engg	4	0	2	6
3	Elements of Elect. Engg	4	0	2	6
4	Elements of Mech. Engg	4	0	2	6
5	Environmental Studies	3	0	0	3
6	Workshop	0	0	4	4
Total		18	2	10	30

- Calculation of **SPI** (SEMESTER PERFORMANCE INDEX)

$$SPI = \frac{\sum_{i=1}^n C_i G_i}{\sum_{i=1}^n C_i}$$

eg a student in a semester has achieved

Sr.no.	Subject	Total credit of subject (C _i)	Grade achieved by student	Grade point For the grade achieved (G _i)	C _i * G _i
1	Subject-a	5	AA	10	50
2	Subject-b	5	AB	9	45
3	Subject-c	5	BC	7	35
4	Subject-d	6	BC	7	42
5	Subject-e	6	CC	6	36
6	Subject-f	3	DD	4	12
∑C_i		30	∑C_iG_i		220

$$SPI = \frac{\sum_{i=1}^n C_i G_i}{\sum_{i=1}^n C_i} = 220/30 = 7.33$$

- Similarly CPI (cumulative performance index) will be calculated by same formulae, but for the sum of being over all the courses taken in current and preceding semester. However, in calculating CPI, any **fail grade** which the student might have earned but has subsequently passed will be **replaced by passing grade** in the subject. **The SPI of the corresponding semester will however continue to reflect such failures and will not be recalculated.**
- **Class and Distinction etc. will be awarded for the degree on the bases of CPI.**
- Refer website www.gtu.ac.in for more details and updates.

Evaluation System

- The evaluation pattern will consist of a component of internal evaluation by the individual college/institute as well as a final semester-end examination conducted by the University. The former will carry a 30% weight and the later 70% weight towards the total marks obtained by the student in a given subject.
- The internal component of the examination consisting of 30 marks may be based on the following.
 1. 20 marks of mid semester test, which will be conducted by the college/institute but will be held at all the colleges/institutes simultaneously as per GTU academic calendar.
 2. 10 marks to be awarded by the instructor on the basis of assignments, seminars, quizzes, attendance and practical work etc. The scheme of assessment is to be decided by the instructor of the course and announced at the beginning of the course.
- After adding the internal marks (maximum 30) with the marks secured by the student in the university examination (maximum 70), the marks will be converted to a letter grade as per the following :
 1. 85 - 100 marks – AA grade
 2. 75 - 84 marks – AB grade
 3. 65 – 74 marks – BB grade
 4. 55 – 64 marks – BC grade
 5. 45 – 54 marks – CC grade
 6. 40 – 44 marks – CD grade
 7. 35 – 39 marks – DD grade
 8. Less than 35 is FF grade

- Students failing in the examinations may take Remedial University Examinations to be held during mid semester exams slots.
- At any point of time student can have maximum 4 backlogs/ FF grades pending.
- The performance of a student during a semester is indicated in the grade card by a “Semester Performance Index” or SPI, which is calculated as follows :

Each letter grade (AA to FF) will have a corresponding grade point assigned as follows : AA = 10, AB =9, BB = 8, BC = 7, CC =6, CD = 5, DD = 4, FF = 0. If $C(i)$ is the credit of a course i and the grade point secured by the student is $G(i)$ in that course, the SPI is given by the formula

$$SPI = \frac{\sum_{i=1}^n C_i G_i}{\sum_{i=1}^n C_i} , \text{ where the sum is over all the } n \text{ courses}$$

taken during a semester. In the same way, the cumulative performance of the student is indicated by a Cumulative Performance Index (CPI) which is calculated essentially by the same formula but for the sum being over all the courses taken in the current semester as well as in the preceding semesters. However, in calculating the CPI, any fail grade which the student might have earned but has subsequently passed will be replaced by the passing grade in that subject. The SPI of the corresponding semester will, however, continue to reflect such failures and will not be recalculated.

- Class and Distinction etc. will be awarded for the degree on the basis of cumulative performance index.