



**CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY,  
BHILAI**

**Established under Act No. 25 of 2004  
Ordinance No. 24**

**POST GRADUATE DEGREE (M.TECH.) IN STEEL TECHNOLOGY  
(2 Years Degree Programme)**

**(Implemented from Academic Year 2007-08)**

**Refer Section 38 (2 and 3)**

- (1) The Examination shall consist of four parts as below:
  - (a) The First Semester examination
  - (b) The Second Semester Examination and
  - (c) The Third Semester Examination
  - (d) The Fourth Semester ExaminationEach semester shall be of six months duration.
- (2) **Academic Qualifications for Admission:** The minimum qualification for admission to first semester of PG Degree (M. Tech.) in Steel Technology of two year (four semesters) course shall be the passing of B. Tech./B.E. in Metallurgy, Mechanical, Chemical, Electrical, Electronics and Telecommunication or related disciplines from a University recognized by University Grant Commission.
- (3) For the award of PG Degree (M. Tech.) in Steel Technology, the student has to appear in the subjects given in scheme of examination and teaching. The Examination shall be conducted by means of theory papers and practical examination.
- (4) In order to pass in any part of PG Degree (M. Tech.) in Steel Technology, an examinee has to obtain at least 40% marks in each theory End Semester Examination (ESE), 50% marks in ESE of each practical examination and 60% Teacher's Assessment (TA/Sessional). Apart from above, in order to pass any part the candidate has to obtain at least 40% marks in aggregate of theory including ESE, TA and CT. In each theory subject in a semester, at least two class tests (CT) are to be conducted.
- (5) If a candidate is unable to pass any semester examination, he/she shall clear the examination in next two consecutive examinations. If the candidate fails to clear in the examinations as mentioned above, he may lose his chance of any further opportunity being given to him.

- (6) The Division in which a candidate shall be placed, will be determined on the basis of aggregate marks obtained in the total of all the three semester exams. No division shall be assigned in first semester.
- (7) **\*Promotion to next Semester:** A student shall be promoted to the next semester only if: he/she does NOT have the backlog of **more than two theory paper or two practical.**
- (8) Successful candidates, who obtain 65% or more of the aggregate marks, shall be placed in the First Division. Those, who obtain less than 65% but not less than 50%, shall be placed in Second Division; Total aggregate in each semester for passing the examination shall be minimum 50%.
- (9) Percentage as well as absolute grading system with credits both will be followed:

### GRADING SYSTEM

Letters indicating a qualitative assessment of the candidate's performance through a number equivalent called Grad Point (GP) are as given below:

<b>Letter Grade (LG):</b>	A+	A	B+	B	C+	C	F
<b>Grade Point (GP):</b>	10	9	8	7	6	5	0

The absolute grading system for the subject Theory and Practical are as follows:

<b>Theory</b>	<b>Practical</b>
A+ 90 ≤ M ≤ 100	A+ 90 ≤ M ≤ 100
A 80 ≤ M < 90	A 82 ≤ M < 90
B+ 70 ≤ M < 80	B+ 74 ≤ M < 82
B 60 ≤ M < 70	B 66 ≤ M < 74
C+ 50 ≤ M < 60	C+ 58 ≤ M < 66
C 40 ≤ M < 50	C 50 ≤ M < 58
F 0 ≤ M < 40	F 0 ≤ M < 50

### SEMESTER PERFORMANCE INDEX (SPI)

Performance of a student in i-th semester is expressed by SPI which is weighted average of subject grade points obtained by a student in the semester and is expressed by

$$SPI_i = \frac{[C_1G_1 + C_2G_2 + \dots]_i}{[C_1 + C_2 + \dots]_i} = \frac{[\sum CG]_i}{[\sum C]_i} = \frac{N_i}{D_i}$$

where C and G stand for credit and grade respectively. SPI<sub>i</sub> will be calculated only when a student clears a semester without F in any subject theory or practical.

### CUMULATIVE PERFORMANCE INDEX (CPI)

This is a weighted average of course grade points obtained by a student for all courses taken since his admission is PG Degree (M. Tech.) in Steel Technology programme.

$$\text{CPI}_i = \frac{\sum_{i=1}^N N_i}{\sum_{i=1}^N D_i}$$

- (10) A student will be eligible for the award of PG Degree (M. Tech.) in Steel Technology if he/she fulfill the following conditions:
- A. Complete the course within a period of four years from the date of admission to Steel Technology, he/she passes in all the internal assessments as well as end semester examinations of all the prescribed courses.
  - B. Fulfill all the other requirements prescribed by the University from time to time for the satisfactory completion of each course of study in each of the prescribed semester and all the semester individual as well as jointly.
- (11) There shall not be any revaluation in case of internal assessment, i.e., project work, training, workshop/research report etc.
- (12) Each student shall be required to pay the fees of the course as may be prescribed by the university from time to time.

**\*Approval accorded on 16.11.2012 by Chancellor's office**