

M.D. UNIVERSITY, ROHTAK

(NAAC Accredited 'A+' Grade)

SCHEME OF STUDIES AND EXAMINATION

B.TECH (Civil Engineering)

SEMESTER 5th AND 6th

Scheme effective from 2020-21

COURSE CODE AND DEFINITIONS:

Course Code	Definitions
L	Lecture
T	Tutorial
P	Practical
BSC	Basic Science Courses
ESC	Engineering Science Courses
HSMC	Humanities and Social Sciences including Management courses
PCC	Professional Core Courses
LC	Laboratory Courses
MC	Mandatory Courses
PT	Practical Training
S	Seminar
TH	Theory
Pr	Practical

General Notes:

1. Mandatory courses are non credit courses in which students will be required passing marks in internal assessments.
2. Students will be allowed to use non programmable scientific calculator. However, sharing of calculator will not be permitted in the examination.
3. Students will be permitted to opt for any elective course run by the department. However, the department shall offer those electives for which they have expertise. The choice of the students for any elective shall not be binding for the department to offer, if the department does not have expertise. To run the elective course a minimum of 1/3rd students of the class should opt for it.

Scheme of Studies and Examination
B.TECH (Civil Engineering) – 5th Semester
w.e.f. 2020-21

Sr. No.	Course Code	Course Title	Hours per Week	Contact Hours per Week	Credit	Examination Schedule (Marks)				Duration of Exam (Hours)
			L-T-P			Internal Assessment	External Examination	Practical	Total	
1.	PCC-CE-301-G	Hydrology and Water Resource Engineering	2-1-0	3	3	25	75	-	100	3
2.	PCC-CE-303-G	Highway Engineering-I	2-1-0	3	3	25	75	-	100	3
3.	PCC-CE-305-G	Soil Mechanics	3-1-0	4	4	25	75	-	100	3
4.	PCC-CE-307-G	Water Supply and Treatment	2-1-0	3	3	25	75	-	100	3
5.	PCC-CE-309-G	Design of Steel Structure	3-1-0	4	4	25	75	-	100	3
6.	PCC-CE-311-G	Engineering Geology	2-1-0	3	3	25	75	-	100	3
7.	LC-CE-313-G	Highway Engineering –I Lab	0-0-2	2	1	25	-	25	50	3
8.	LC-CE-315-G	Soil Mechanics Lab	0-0-2	2	1	25	-	25	50	3
9.	LC-CE-317-G	Design of Steel Structure Drawing Lab	0-0-2	2	1	25	-	25	50	3
10.	LC-CE-319-G	Engineering Geology Lab	0-0-2	2	1	25	-	25	50	3
11.	PT-CE-321-G	Survey camp	-	-	2	25	-	25	50	-
12.	PT-CE-323-G	Practical Training-I	-	-	-	-	-	-	* Refer note 1	
		TOTAL			26				850	

Note:

- The evaluation of Practical Training-I will be based on seminar, viva-voce, report submitted by the students. According to performance, the students are awarded grades A, B, C, F. A student who is awarded 'F' grade is required to repeat Practical Training.

Excellent: A; Good : B; Satisfactory: C; Not Satisfactory: F.

Scheme of Studies and Examination
B.TECH (Civil Engineering) – 6th Semester

w.e.f. 2020-21

Sr. No.	Course Code	Course Title	Hours per Week	Contact Hours per Week	Credit	Examination Schedule (Marks)				Duration of Exam (Hours)
			L-T-P			Class work	Theory	Practical	Total	
1.	PCC-CE-302-G	Irrigation Engineering	3-1-0	4	4	25	75	-	100	3
2.	PCC-CE-304-G	Foundation Engineering	3-1-0	4	4	25	75	-	100	3
3.	PCC-CE-306-G	Highway Engineering-II	3-1-0	4	4	25	75	-	100	3
4.	-	*Elective-I	2-1-0	3	3	25	75	-	100	3
5.	-	**Elective-II	3-1-0	4	4	25	75	-	100	3
6.	LC-CE-308-G	Environmental Engineering Lab.	0-0-2	2	1	25	-	25	50	3
7.	LC-CE-310-G	Foundation Engineering lab	0-0-2	2	1	25	-	25	50	3
8.	LC-CE-312-G	Highway Engineering-II Lab.	0-0-2	2	1	25	-	25	50	3
9.	LC-ESC-314-G	Computer aided Civil Engineering Design	1-0-2	3	2	25	-	25	50	3
		TOTAL			24			700		

	Course Code	Course Title
*Elective -I	PEC-CEEL -302 G	1. Waste Water Treatment
	PEC-CEEL -304 G	2. Air & Noise Pollution Control
	PEC-CEEL -306 G	3. Environmental Impact Assessment
**Elective -II	PEC-CEEL -308 G	1. Advanced Concrete Structure
	PEC-CEEL -310 G	2. Pre-Stressed Concrete
	PEC-CEEL -312 G	3. Repair & Rehabilitation Of Structure

Note:

- Each student has to undergo practical training of 6 weeks during summer vacation after 6th semester and its evaluation shall be carried out in 7th Semester.
- Choose any one from Elective-I
- Choose any one from Elective-II