

**6. STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME IN CIVIL ENGINEERING (J&K) Based on MPECS**

Sr.	Code	Subject	L T P Cr Hrs/week				EVALUATION SCHEME						Total Marks
							Internal Assessment		External Assessment (Examination)				
							Theory	Practical	Written Paper		Practical		
							Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
1.	CM-101	* English & Communication Skills -I	3	-	2	4	15	10	100	3	50 (Viva)	-	175
2.	BS-110	* Applied Mathematics-I	5	-	-	5	25	-	100	3	-	-	125
3.	BS-111	* Applied Physics – I	4	-	2	5	15	10	100	3	50	3	175
4.	BS-112	* Applied Chemistry – I	2	-	2	3	15	10	100	3	50	3	175
5.	ES-120	* Basics of Information Technology	-	-	4	2	-	25	-	-	100	3	125
6.	ES-121	* Engineering Drawing-I	-	-	6	3	-	25	100	4	25 (Viva)	-	150
7.	ME-130	* General Workshop Practice - I	-	-	6	3	-	25	-	-	100+25 <sup>+</sup>	3	150
8.	CM-201	* English & Communication Skills –II	3	-	2	4	15	10	100	3	50 (Viva)	-	175
9.	BS-210	* Applied Mathematics-II	5	-	-	5	25	-	100	3	-	-	125
10.	BS-211	* Applied Physics – II	4	-	2	5	15	10	100	3	50	3	175
11.	BS-212	* Applied Chemistry - II	2	-	2	3	15	10	100	3	50	3	175
12.	ES-220	* Applied Mechanics	3	-	2	4	15	10	100	3	50	3	175

- In every term, 25 marks are for student Centered activities and have 2 credits. Student Centered Activities will comprise of various co-curricular activities like games, hobby clubs, seminars, declamation contests, extension lectures, field visits, NCC, NSS and cultural activities etc.

\* Detailed contents are common with other diploma programmes

+ 25 marks are for viva voce.

## STUDY AND EVALUATION SCHEME – Contd....

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							Theory	Practical	Written Paper		Practical		
							Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
13.	ES-221	* Engineering Drawing - II	-	-	6	3	-	25	100	4	25 <sup>+</sup>	-	150
14.	ME-230	* General Workshop Practice-II	-	-	6	3	-	25	-	-	100+25 <sup>+</sup>	3	150
15.	ES-320	Hydraulics	3	-	2	4	15	10	100	3	50	3	175
16.	ES-321	* General Engineering	4	-	2	5	15	10	100	3	50	3	175
17.	CE-330	Surveying - I	2	-	6	5	15	10	100	3	100	3	225
18.	CE-331	Construction Material	3	-	2	4	15	10	100	3	50	3	175
19.	CE-332	Building Construction	4	-	2	5	15	10	100	3	50	3	175
20.	CE-333	Building Drawing	-	-	6	3	-	25	100	4	-	-	125
21.	CE-430	Concrete Technology	3	-	2	4	15	10	100	3	50	3	175
22.	CE-431	Water Supply and Waste Water Engineering	4	-	2	5	15	10	100	3	50	3	175
23.	CE-432	Soil and Foundation Engineering	4	-	2	5	15	10	100	3	50	3	175
24.	CE-433	Surveying – II	2	-	6	5	15	10	100	3	100	3	225
25.	CE-434	Strength of Materials	3	-	2	4	15	10	100	3	50	3	175
26.	CE-435	Irrigation Engineering	4	-	-	4	25	-	100	3	-	-	125
27.	CE-436	Water Supply and Waste Water and Irrigation Engineering Drawing	-	-	4	2	-	25	100	4	-	-	125

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							Theory	Practical	Written Paper		Practical		
							Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
28.	CE-530	RCC Structures	4	-	-	4	25	-	100	4	-	-	125
29.	CE-531	Highway Engineering	3	-	2	4	15	10	100	3	50	2	175
30.	CE-532	Survey Camp	-	-	4	2	-	50	-	-	50 (Viva)	-	100
31.	CE-533	Computer Applications in Civil Engineering	-	-	4	2	-	25	-	-	100	3	125
32.	CE-534	Railways, Bridges and Tunnels	4	-	-	4	25	-	100	3	-	-	125
33.	CE-535	Quantity Surveying and Valuation	4	-	-	4	25	-	100	3	-	-	125
34.	CM-505	* Entrepreneurship Development and Management	3	-	-	3	25	-	100	3	-	-	125
35.	CE-536	Minor Project Work	-	-	6	3	-	50	-	-	100	-	150
36.	CE-630	Steel and Timber Structures Design and Drawing	4	-	2	5	15	10	150 <sup>++</sup> (100+50)	4	-	-	175
37.	CE-631	Earthquake Resistant Building Construction	3	-	-	3	25	-	100	3	-	-	125

++ 100 marks for theory examination and 50 marks for drawing

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							Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
38.	CE-632	Construction Management	4	-	-	4	25	-	100	3	-	-	125
39.	CE-633	Repair & Maintenance of Buildings	3	-	-	3	25	-	100	3	-	-	125
40.	CE-634	Major Project Work	-	-	12	6	-	100	-	-	200	3	300
		Electives (Any one of the following)	-	-	-	-	-	-	-	-	-	-	-
41.	CE-640	Pre stressed concrete	3	-	-	3	25	-	100	3	-	-	125
42.	CE-641	Environmental Engineering	3	-	-	3	25	-	100	3	-	-	125
43.	CE-642	Rural Construction Technology	3	-	-	3	25	-	100	3	-	-	125

Coding of subjects has been done as per following rule

- a) Communication, Humanities and Management subjects ( CM)
- b) Basic Science Subjects ( BS )
- c) Engineering Science Subjects ( ES)
- d) Technology/Engineering subjects:
  - Civil Engineering (CE)
  - Mechanical Engineering (ME)

Each of the above subject area will be given code number as per detail as follows:

<b>Subject Codes</b>	<b>CM</b>	<b>BS</b>	<b>ES</b>	<b>Technology/Engineering Area Specific Subject of CE and ME</b>	<b>Electives CE</b>
Particular Subject Area Code	101-109	110-119	120-129	130 – 139	
	201-209	210-219	220-229	230 – 239	
	301-309	310-319	320-329	330 – 339	
	401-409	410-419	420-429	430 – 439	
	501-509	510-519	520-529	530 – 539	540 – 549
	601-609	610-619	620-629	630 – 639	640 – 649

Note: In the above coding, first digit indicates the term in which the subject is being offered for 10+ entry students  
Next two digits indicate number of the subject in that term in that group