



RKDF UNIVERSITY, BHOPAL
New Scheme of Examination as per AICTE Flexible Curricula
W.E.F. JULY 2025
Subject wise distribution of marks

B.Tech III Semester (Civil Engineering)

S. No.	Subject Code	Category	Subject Name	Maximum Marks Allotted												Total Marks	Contact Hours per Week			Total Credits
				Theory Slot						Practical Slot										
				Theory		Mid Sem		Quiz Assignment		Practical		Lab Work		Lab Quiz						
				Max. Marks	Min. Marks	Max. Marks	Min. Marks	Max. Marks	Min. Marks	Max. Marks	Min. Marks	Max. Marks	Min. Marks	Max. Marks	Min. Marks					
1	CE-3011	BSC-5	Engineering Mathematics-III	70	25	20	10	10	5	-	-	-	-	-	-	100	3	1		4
2	CE-3021	PCC-1	Transportation – Bridges and Tunnels	70	25	20	10	10	5	-	-	-	-	-	-	100	3	1		4
3	CE-3031	PCC-2	Strength of Materials	70	25	20	10	10	5	30	15	10	5	10	5	150	3	1	2	6
4	CE-3041	PCC-3	Building Design and Drawing	70	25	20	10	10	5	30	15	10	5	10	5	150	3	1	2	6
5	CE-3051	HSMC-3	Value Education	70	25	20	10	10	5	30	15	10	5	10	5	150	3	1	2	6
6	CE-3061	PCC-4	Computer Programming Lab	-	-	-	-	-	-	30	15	10	5	10	5	50			2	2
7	BE-2071	DLC-1	Evaluation of Internship-I completed at 1 year level	-	-	-	-	-	-	30	15	10	5	10	5	50			2	2
			Total	350	-	100	-	50	-	150	-	50	-	50	-	750	15	5	10	30

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	1 Credit	1 Credit



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B.Tech IV Semester (Civil Engineering)

S. No.	Subject Code	Category	Subject Name	Maximum Marks Allotted												Total Marks	Contact Hours per Week			Total
				Theory Slot						Practical Slot										
				Theory		Mid Sem		Quiz Assignment		Practical		Lab Work		Lab Quiz						
				Max. Marks	Min. Marks	Max. Marks	Min. Marks	Max. Marks	Min. Marks	Max. Marks	Min. Marks	Max. Marks	Min. Marks	Max. Marks	Min. Marks					
1	BE-4011	ESC-7	Environmental Engineering	70	25	20	10	10	5	-	-	-	-	-	-	100	3	1		4
2	CE-4021	PCC-5	Concrete Technology	70	25	20	10	10	5	30	15	10	5	10	5	150	3	1	2	6
3	CE-4031	PCC-6	Surveying and Geomatics	70	25	20	10	10	5	30	15	10	5	10	5	150	3	1	2	6
4	CE-4041	PCC-7	Engineering Material and Construction Techniques	70	25	20	10	10	5	30	15	10	5	10	5	150	3	1	2	6
5	CE-4051	PCC-8	Fluid Mechanics	70	25	20	10	10	5	30	15	10	5	10	5	150	3	1	2	6
6	CE-4061	PCC-9	Software Lab	-	-	-	-	-	-	30	15	10	5	10	5	50			2	2
7	BE-4071	DLC-3	Internship-II (90 Hrs Duration) at the Institute Level	To be completed during IV semester. Its evaluation/ credit will be added in V semester																
			Total	350	-	100	-	50	-	150	-	50	-	50	-	750	15	5	10	30

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	1 Credit	1 Credit



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B. Tech V Semester (Civil Engineering)

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted										Total Marks	Contact Hours			Total Credits
				Theory						Practical					per week			
				Theory		Mid Sem		Quiz Assignment		Prac tical	Lab Work	Lab Quiz			L	T	P	
				Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks					
1.	CE-5011	DC	Transportation Engineering-1	70	25	20	10	10	5	30	15	20	10	150	3	1	2	6
2.	CE-5021	DC	Structural Design & Drawing-1 (R.C.C-I)	70	25	20	10	10	5	30	15	20	10	150	3	1	2	6
3.	CE-5031	DE	Departmental Elective - I	70	25	20	10	10	5	-		-		100	4	-	-	4
4.	CE-5041	OE	Open Elective - II	70	25	20	10	10	5	-		-		100	4	-	-	4
5.	CE-5051	D Lab	Material Lab Testing	-		-		-		30	15	20	10	50	-	-	2	2
6.	CE-5061	O/E Lab	Non-Destructive Testing Lab	-		-		-		30	15	20	10	50	-	-	2	2
7.	BE-4071	IN	Evaluation of Internship-II	-		-		-		-		100	50	100	-	-	4	4
8.	CE-5081	P	Minor Project-1/Seminar	-		-		-		-		50	25	50			2	2
			Total	280		80		40		120		230		750	14	2	14	30

Departmental Electives	Open Electives
CE-5031(A) Water Resources and Irrigation Engineering	CE-5041(A) Fluid Mechanics-II
CE-5031(B) Pre stressed Concrete Structure	CE-5041(B) Remote Sensing and GIS
CE-5031(C) Urban and Town Planning	CE-5041(C) Renewable energy resources
CE-5031(D) SWAYAM/NPTEL-MOOC-1	CE-5041(D) SWAYAM/NPTEL-MOOC-2

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
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B.Tech VI Semester (Civil Engineering)

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted										Total Marks	Contact Hours per week			Total Credits
				Theory						Practical					L	T	P	
				Theory		Mid Sem		Quiz Assignment		Practical	Lab Work	Lab Quiz						
				Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks					
1.	CE6011	DC	Environmental Engineering-II	70	25	20	10	10	5	30	15	20	10	150	3	1	2	6
2.	CE 6021	DC	Geotechnical Engineering	70	25	20	10	10	5	30	15	20	10	150	3	1	2	6
3.	CE 6031	DE	Departmental Elective - I	70	25	20	10	10	5	-		-		100	4	-	-	4
4.	CE 6041	OE	Open Elective	70	25	20	10	10	5	-		-		100	4	-	-	4
5.	CE-6051	D Lab	Quantity Surveying and Cost Lab	-		-		-		30	15	20	10	50	-	-	2	2
6.	CE-6061	O/E Lab	Prestressed Concrete Structure Lab	-		-		-		30	15	20	10	50	-	-	2	2
7.	BE-6071	IN	Evaluation of Internship-III	To be completed anytime during Fifth/Sixth semester. Its evaluation/credit to be added in Seventh Semester														
8.	CE-5081	P	Minor Project-1/Seminar	-		-		-		-		50	25	50			2	2
			Total	280		80		40		120		130		650	14	2	10	26

Departmental Electives	Open Electives
CE-6031(A) Quantity surveying & Costing	CE-6041(A) Environmental Impact Assessment
CE-6031(B) Entrepreneurship Development and Management	CE-6041(B). Structural Design & Drawing-II (R.C.C-II)
CE-6031(C) Cost Effective and Eco-friendly Structure	CE-6041(C) Operation Research
CE-6031(D) SWAYAM/NPTEL-MOOC-3	CE-6041(D) SWAYAM/NPTEL-MOOC-4

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
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B. Tech VII Semester (Civil Engineering)

S. No.	Subject Code	Category	Subject Name	Maximum Marks Allotted												Total Marks	Contact Hours per Week			Total Credits
				Theory Slot						Practical Slot										
				Theory		Mid Sem		Quiz Assignment		Practical		Lab Work		Lab Quiz						
				Max. Marks	Min. Marks	Max. Marks	Min. Marks	Max. Marks	Min. Marks	Max. Marks	Min. Marks	Max. Marks	Min. Marks	Max. Marks	Min. Marks					
1	CE-7011	DC	Advanced Structural Design (STEEL)	70	25	20	10	10	5	30	15	10	5	10	5	150	3	1	2	6
2	CE-7021	DE	Departmental Elective	70	25	20	10	10	5	-	-	-	-	-	-	100	3	1		4
3	CE-7031	OE	Open Elective	70	25	20	10	10	5	-	-	-	-	-	-	100	3	1		4
4	CE-7041	D Lab	Advance Surveying Lab	-	-	-	-	-	-	30	15	10	5	10	5	50			2	2
5	CE-7051	O/E Lab	IoT Lab	-	-	-	-	-	-	30	15	10	5	10	5	50			2	2
6	CE-7061	P	Major Project-I	-	-	-	-	-	-	80	40	10	5	10	5	100			4	4
7.	CE-6071	IN-4	Evaluation of Internship-III									50	25	50	25	100			4	4
			Total	210		60		30		170		90		90		650	9	3	14	26

Departmental Electives	Open Electives
CE -7021 (A) Computation Methods in Structure Engineering	CE-7031 (A) Internet of Things and Data Science
CE-7021 (B) Design Of Hydraulic Structure	CE-7031 (B) Construction Planning & Management
CE-7021 (C) Structural Dynamics	CE-7031 (C) Integrated Waste Management
CE-7021 (D) Environmental Engineering-III	CE-7031 (D) Geology
CE-7021 (E) SWAYAM/NPTEL-MOOC-5	CE-7031 (E) SWAYAM/NPTEL-MOOC-6

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	1 Credit	1 Credit

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B.TechVIII Semester (Civil Engineering)

S. No.	Subject Code	Category	Subject Name	Maximum Marks Allotted												Total Marks	Contact Hours per Week			Total Credits
				Theory Slot						Practical Slot										
				Theory		Mid Sem		Quiz Assignment		Practical		Lab Work		Lab Quiz						
				Max. Marks	Min. Marks	Max. Marks	Min. Marks	Max. Marks	Min. Marks	Max. Marks	Min. Marks	Max. Marks	Min. Marks	Max. Marks	Min. Marks					
1	CE-8011	DC	Theory of Structure	70	25	20	10	10	5	30	15	10	5	10	5	150	3	1	2	6
2	CE-8021	DE	Departmental Elective	70	25	20	10	10	5							100	3	1		4
3	CE-8031	OE	Open Elective	70	25	20	10	10	5							100	3	1		4
4	CE-8041	D/O/E Lab	Earthquake Resistant Structures Lab							30	15	10	5	10	5	50			2	2
5	CE-8051	P	Major Project-II							120	60	40	20	40	20	200			8	8
			Total	210		60		30		180		60		60		600	9	3	12	24

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	1 Credit	1 Credit

Departmental Electives	Open Electives
CE-8021(A) Traffic Engineering	CE-8031(A) Pavement Design
CE-8021(B) Foundation Engineering	CE-8031(B) Air quality Monitoring and Control
CE-8021(C) Bridge Engineering	CE-8031(C) Finite Element Method
CE-8021(D) Earthquake Resistant Design of Structures	CE-8031 (D) Artificial Intelligence and Machine Learning
CE-8021(E) SWAYAM/NPTEL-MOOC-7	CE-8031(E) SWAYAM/NPTEL-MOOC-8