

**CHOICE BASED CREDIT SYSTEM (CBCS) SCHEME OF TEACHING AND  
EXAMINATION 2017-2018 B.E. CONSTRUCTION TECHNOLOGY &  
MANAGEMENT**

**V SEMESTER**

Sl. No	Subject Code	Title	Teaching Dept.	Teaching Hours /Week		Examination				Credits
				Theory	Practical/ Drawing	Duration	Theory/ Practical Marks	I.A. Marks	Total Marks	
1	15CT/CV 51	Design of RCC Structural Elements		04		03	80	20	100	4
2	15CT52	Construction Economics and Finance		04		03	80	20	100	4
3	15CT53	Geotechnical Engineering		04		03	80	20	100	4
4	15CT54	Transportation Engineering		04		03	80	20	100	4
5	15CT55X	Professional Elective-1		03		03	80	20	100	3
6	15CT56X	Open Elective-1		03		03	80	20	100	3
7	15CTL57	Computer Aided Building Drawing			1I+2P	03	80	20	100	2
8	15CTL58	Geotechnical Engineering Laboratory			1I+2P	03	80	20	100	2
<b>TOTAL</b>				<b>18</b>	<b>09</b>	<b>24</b>	<b>640</b>	<b>160</b>	<b>800</b>	<b>26</b>

Professional Elective 1		Open Elective 1	
15CV/CT551	Air Pollution	15CT561	Engineering Ethics
15CT552	Advance Surveying	15CT562	Special Concrete
15CT553	Building Standards and Planning	15CV/CT563	Remote Sensing and GIS
15CT554	Fundamentals of Architecture	15CT564	Climate change and Sustainable Development

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**VI SEMESTER**

Sl. No	Subject Code	Title	Teaching Dept.	Teaching Hours /Week		Examination				Credit
				Theory	Practical/ Drawing	Duration	L.A. Marks	Theory/ Practical Marks	Total Marks	
1	15CT61	Construction Quality Management		4	-	3	20	80	100	4
2	15CT62	Building Services-I		4	-	3	20	80	100	4
3	15CT63	Fluid Mechanics And Hydraulic Structures		4	-	3	20	80	100	4
4	15CT64	Construction Planning And Control		4		3	20	80	100	4
5	15CT65X	Professional Elective-2		3		3	20	80	100	3
6	15CT66X	Open Elective-2		3		3	20	80	100	3
7	15CTL67	Construction Technology Lab		1I+2P	3	3	20	80	100	2
8	15CTL68	Computer Application Lab		1I+2P	3	3	20	80	100	2
<b>TOTAL</b>				<b>22</b>	<b>6</b>	<b>24</b>	<b>160</b>	<b>640</b>	<b>800</b>	<b>26</b>

Professional Elective 2		Open Elective 2	
15CT651	INFRASTRUCTURE VALUATION	15CT661	OPERATIONAL RESEARCH
15CT652	GROUND IMPROVEMENT TECHNIQUES	15CT662	ENVIRONMENTAL IMPACT ASSESMENT
15CT653	WATER SUPPLY AND SANITATION	15CT663	HUMAN RESOURCE MANAGEMENT
15CT654	LANDSCAPE DESIGNING AND PLANNING		

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**VII SEMESTER**

Sl. No	Subject Code	Title	Teaching Dept.	Teaching Hours /Week		Examination				Credit
				Theory	Practical/ Drawing	Duration	I.A. Marks	Theory/ Practical Marks	Total Marks	
1	15CT71	Building Services-II		04		03	20	80	100	4
2	15CT72	Design of Steel Structures		04		03	20	80	100	4
3	15CT73	Estimation & Costing		04		03	20	80	100	4
4	15CT74	Construction Equipments Management		04		03	20	80	100	4
5	15CT75X	Professional Elective- 3		03		03	20	80	100	3
6	15CT76X	Professional Elective- 4		03		03	20	80	100	3
7	15CTL77	Building Services Lab			1I+2P	03	20	80	100	2
8	15CTL78	Project Work Phase I + Seminar			03		100	-	100	2
<b>TOTAL</b>				<b>22</b>	<b>6</b>	<b>21</b>	<b>240</b>	<b>560</b>	<b>800</b>	<b>26</b>

Professional Elective- 3		Professional Elective- 4	
15CT751	Design of Prestressed Concrete Structures	15CT761	Solid Waste Management
15CT752	Bridge Engineering	15CT762	Pavement Materials & Construction
15CT753	Alternate Building Materials And Technologies	15CT763	Urban Planning And Modern Architecture
15CT754	Pre-Fabrication Construction Techniques	15CT764	Computer Applications In Construction Engineering and planning

1. Project Phase-I + Seminar: Literature Survey, Problem Identification, objectives and Methodology, Submission of synopsis and seminar.

VIII SEMESTER

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Sl. No	Subject Code	Title	Teaching Dept.	Teaching Hours /Week		Examination				Credit
				Theory	Practical/ Drawing	Duration	I.A. Marks	Theory/ Practical Marks	Total Marks	
1	15CT81	Contracts Management		4	-	3	20	80	100	4
2	15CT82	Construction Safety Management		4	-	3	20	80	100	4
3	15CT83X	Professional Elective-5		3	-	3	20	80	100	3
4	15CT84	CONSTRUCTION STUDY PROJECT(Internship)		Industry Oriented		3	50	50	100	2
5	15CTP85	Project Work		-	6	3	100	100	200	4
6	15CTS86	Seminar		-	4	-	100	-	100	1
<b>TOTAL</b>				<b>11</b>	<b>10</b>	<b>15</b>	<b>310</b>	<b>390</b>	<b>700</b>	<b>18</b>

<b>Professional Elective-5</b>	
15CT831	Repair & Rehabilitation of Structures
15CT832	Urban Transportation & Planning
15CT833	Advanced Foundation Engineering
15CT834	Structural Masonry