

Scheme of Examination for B.Tech														
Branch- Civil Engineering														
Semester- III														
Subject code	Subject Name	Teaching scheme (Weekly Load in hrs)				Credits	Evaluation Scheme						ESE Duration (Hrs)	
		Lecture	Tutorial	Practical	Total		Theory			Practical		Total		
							TAE 20 %	CAE 20 %	ESE 60%	Cont Ass	Ext. PR OR			
BCVAML201	Engg. Mathematics-III	3	1	-	4	4	20	20	60	-	-	-	100	3
BCVL201	Building Const & Materials	3	-	-	3	3	20	20	60	-	-	-	100	3
BCVL202	Strength of Materials	3	1	-	4	4	20	20	60	-	-	-	100	3
BCVP202	Strength of Materials Lab	-	-	2	2	1	-	-	-	-	-	50	50	-
BCVL203	Geotechnical Engg-I	3	1	-	4	4	20	20	60	-	-	-	100	3
BCVP203	Geotechnical Engg-I Lab	-	-	2	2	1	-	-	-	50	-	-	50	-
BCVL204	Fluid Mechanics I	3	1	-	4	4	20	20	60	-	-	-	100	3
BCVP204	Fluid Mechanics I Lab	-	-	2	2	1	-	-	-	-	-	50	50	-
BCVL205	Water Resources-I	3	1	-	4	4	20	20	60	-	-	-	100	3
BCVGP201	GENERAL PROFICIENCY:-I Foreign Language	1	-	2	3	Audit course								
	Total	19	5	8	32	26	120	120	360	50	-	100	750	-

Scheme of Examination for B.Tech														
Branch- Civil Engineering														
Semester- IV														
Subject code	Subject Name	Teaching scheme (Weekly Load in hrs)				Credits	Evaluation Scheme							ESE Duration (Hrs)
		Lecture	Tutorial	Practical	Total		Theory			Practical		Total		
							TAE 20 %	CAE 20 %	ESE 60%	Cont Ass	Ext. PR OR			
BCVL206	Concrete Technology	3	-	-	3	3	20	20	60	-	-	-	100	3
BCVP206	Concrete Technology Lab	-	-	2	2	1	-	-	-	-	-	25	25	-
BCVL207	Surveying	3	1	-	4	4	20	20	60	-	-	-	100	3
BCVP207	Surveying Lab	-	-	2	2	1	-	-	-	-	50	-	50	-
BCVL208	Computer Application in Civil Engg	1	1	-	2	2	10	10	30	-	-	-	50	2
BCVP208	Computer Application in Civil Engg Lab	-	-	2	2	1	-	-	-	25	-	-	25	-
BCVL209	Fluid Mechanics-II	3	1	-	4	4	20	20	60	-	-	-	100	3
BCVP209	Fluid Mechanics-II Lab	-	-	2	2	1	-	-	-	25	-	-	25	-
BCVL210	Geotechnical Engg-II	3	1	-	4	4	20	20	60	-	-	-	100	3
BCVP210	Geotechnical Engg-II Lab	-	-	2	2	1	-	-	-	-	-	25	25	-
BCVL211	Structural Analysis-I	3	1	-	4	4	20	20	60	-	-	-	100	3
BCVGP202	GENERAL PROFICIENCY:-II : Hobby Classes	1	-	2	3	Audit course	-	-	-	-	-	-	-	-
	Total	17	5	12	34	26	110	110	330	50	50	50	700	-

Scheme of Examination for B.Tech														
Branch- Civil Engineering														
Semester- V														
Subject code	Subject Name	Teaching scheme (Weekly Load in hrs)				Credits	Evaluation Scheme						ESE Duration (Hrs)	
		Lecture	Tutorial	Practical	Total		Theory			Practical		Total		
							TAE 20 %	CAE 20 %	ESE 60%	Cont Ass	Ext.			
											PR			OR
BCVL301	Environmental Engg-I	3	-	-	3	3	20	20	60	-	-	-	100	3
BCVP301	Environmental Engg-I Lab	-	-	2	2	1	-	-	-	25	25	-	50	-
BCVL302	Advanced Surveying	4	-	-	4	4	20	20	60	-	-	-	100	3
BCVP302	Advanced Surveying Lab	-	-	4	4	2	-	-	-	25	-	25	50	-
BCVL303	Structures Design I	4	-	-	4	4	20	20	60	-	-	-	100	3
BCVP303	Structures Design I Lab	-	-	2	2	1	-	-	-	25	-	25	50	-
BCVL304	Building Design and Drawing	2	-	-	2	2	20	20	60	-	-	-	100	3
BCVP304	Building Design and Drawing Lab	-	-	4	4	2	-	-	-	25	-	25	50	-
BCVL305	Transportation Engg	3	-	-	3	3	20	20	60	-	-	-	100	3
BCVP305	Transportation Engg Lab	-	-	2	2	1	-	-	-	25	-	25	50	-
BCVGP203	GENERAL PROFICIENCY:III Advanced Communication Skills	-	-	2	2	Audit course								
	Total	15	0	16	32	23	100	100	300	125	25	100	750	-

Scheme of Examination for B.Tech

Branch- Civil Engineering

Semester- VI

Subject code	Subject Name	Teaching scheme (Weekly Load in hrs)				Credits	Evaluation Scheme						ESE Duration (Hrs)	
		Lecture	Tutorial	Practical	Total		Theory			Practical		Total		
							TAE 20 %	CAE 20 %	ESE 60%	Cont Ass	Ext.			
											PR			OR
BCVL306	Structural Analysis - II	3	1		4	4	20	20	60	-	-	-	100	3
BCVP306	Structural Analysis – II Lab	-	-	2	2	1	-	-	-	25	--	25	50	
BCVL307	Structures Design II	4	-	-	4	4	20	20	60	-	-	-	100	3
BCVP307	Structures Design II Lab	-	-	2	2	1	-	-	-	25	-	25	50	
BCVL308	Environmental Engg-II	3	-	-	3	3	20	20	60	-	-	-	100	3
BCVL309	Water Resources-II	3	-	-	3	3	20	20	60	-	-	-	100	3
BCVP309	Water Resources-II Lab	-	-	2	2	1	-	-	-	25		25	50	
BCVLxxx	Elective-1	3	-	-	3	3	20	20	60	-	-	-	100	3
BCVLxxx	Open Elective	3	-	-	3	3	20	20	60	-	-	-	100	3
BCVGP2 04	GENERAL PROFICIENCY:-IV Employability Skills & Technical Report Writing	2	-	-	2	Audit course								
BCVGP2 05	GENERAL PROFICIENCY:-V Research Methodology	2	-	-	2	Audit course								
	Total	23	1	6	30	23	120	120	360	75		75	750	

Scheme of Examination for B.Tech														
Branch- Civil Engineering														
Semester- VII														
Subject code	Subject Name	Teaching scheme (Weekly Load in hrs)				Credits	Evaluation Scheme							ESE Duration (Hrs)
		Lecture	Tutorial	Practical	Total		Theory			Practical		Total		
							TAE 20 %	CAE 20 %	ESE 60%	Cont Ass	Ext.			
											PR		OR	
BCVL401	Project Planning And Management	3	1	-	4	4	20	20	60	-	-	-	100	3
BCVL402	Estimating and Costing	3	1	-	4	4	20	20	60	-	-	-	100	3
BCVP402	Estimating and Costing Lab	-	-	2	2	1	-	-	-	50	-	50	100	-
BCVL403	Rehabilitation of Structures	3	-	-	3	3	20	20	60	-	-	-	100	3
BCVLxxx	Elective II	3	1	-	4	4	20	20	60	-	-	-	100	3
BCVLxxx	Elective III	3	1	-	4	4	20	20	60	-	-	-	100	3
	Total	15	4	2	21	20	100	100	300	50	-	50	600	-

Scheme of Examination for B.Tech														
Branch- Civil Engineering														
Semester- VIII														
Subject code	Subject Name	Teaching scheme (Weekly Load in hrs)				Credits	Evaluation Scheme							ESE Duration (Hrs)
		Lecture	Tutorial	Practical	Total		Theory			Practical		Total		
							TAE 20 %	CAE 20 %	ESE 60%	Cont Ass	Ext.			
											PR		OR	
BCVL404	Self Study	2	-	-	2	2	20	30	-	-	-	-	50	
BCVP405	Computer Aided Design Lab	-	-	2	2	1	-	-	-	50	-	50	100	
BCVP406	Field Project	-	-	16	16	16	-	-	-	100	-	100	200	
	Total	2	-	18	20	19	20	30	-	150	-	150	350	-

Elective-I

S.N.	Subject code	Subject Name
1	BCVL310	Operation Research & Management
2	BCVL311	Advanced Structural Design
3	BCVL312	Earthquake Resistant Structures
4	BCVL313	Geology & Earth Science
5	BCVL314	Ground Water Management
6	BCVL315	Environmental Management
7	BCVL316	Rural Water Supply and Sanitation

OPEN ELECTIVES

S.N.	Subject code	Subject Name
1	BAM301	Optimization Techniques
2	BCVL430	Urban Planning and Management
3	BENL417	Sensors & Transducers
4	BENL430	Intellectual Patent Rights
5	BHUL404	Bio Systems in Engineering
6	BHUL405	Constitution of India
7	BMEL401	Nanotechnology

8	BMEL402	Unconventional Energy Sources
9	BMEL403	Reliability Engineering
10	BMEL204	Material Science
11	BCOL413	Genetic Engineering
12	BENL300	Fuzzy Logic
13	BENL212	Principle of Management
14	BMEL210	Industrial and Resources Management
15	BCOL212	Project Management

Elective II

S.N.	Subject code	Subject Name
1	BCVL407	Artificial Neural Networks & Fuzzy Logic
2	BCVL408	Advance Concrete Design
3	BCVL409	Advanced Hydraulics
4	BCVL410	Soil Dynamics
5	BCVL411	Green Building
6	BCVL412	Matrix Method of Structural Analysis
7	BCVL413	Pavement Design

Elective III

S.N.	Subject code	Subject Name
1	BCVL414	Advanced Transportation Engg
2	BCVL415	Municipal & Industrial Water Treatment
3	BCVL416	Remote Sensing & GIS
4	BCVL417	Advanced Steel Design
5	BCVL418	Earth And Earth Retaining Structure
6	BCVL419	Computational Fluid Dynamics
7	BCVL420	Architecture and Town Planning
8	BCVL421	Finite Element Method