

SWAMI VIVEKANAND UNIVERSITY, SIRONJA, SAGAR (M.P.)



SCHEME

For
BACHELOR OF TECHNOLOGY (B.Tech.)
CIVIL ENGINEERING (CE)

Course Code :BTCE

Department of Civil Engineering
Faculty of Engineering

Duration of Course : 4 Year
Examination Mode : Semester
Examination System : Grading

Swami Vivekanand University, Sironja Sagar (M.P.)

2016-2017



Swami Vivekanand University Sagar M.P.



Semester III Branch -CIVIL Engineering Subject wise distribution of marks and corresponding credits

S.No.	Subject Code	Subject Name & Title	Maximum Marks Allotted						Credits Allotted Subject wise	Total Credits	Remark			
			Theory Slot			Practical Slot		Total Marks						
			End Sem.	Mid Sem. MST (Two tests average)	Quiz, Assignment	End Sem	Term work		Period per week					
				Lab work & sessional	Assignment/ quiz									
1	BTCE-0301	Mathematics -II	70	20	10	-	-	-	100	3	1	-	04	
2	BTCE-0302	Transportation Bridges and Tunnels	70	20	10	-	-	-	100	3	1	-	04	
3	BTCE-0303	Strength of Materials	70	20	10	30	10	10	150	3	1	2	06	
4	BTCE-0304	Engineering Geology	70	20	10	30	10	10	150	3	1	2	06	
5	BTCE-0305	Bldg. Design & Drawing	70	20	10	30	10	10	150	3	1	2	06	
6	BTCE-0306	Computer Programming	-	-	-	30	10	10	50	0	0	2	02	
7	BTCE-0307	Self study / Practical of Basic civil (Internal Evaluation)	-	-	-	-	-	50	50	0	0	2	02	Grand Total
8.	BTCE-0308	Seminar / Discussion (Internal Evaluation) etc.	-	-	-	-	-	50	50	0	0	2	02	
		Total	350	100	50	120	40	140	800	15	5	12	32	800

MST: Mid Semester Tests Taken at Least twice Per Semester

L: Lecture - T: Tutorial - P: Practical



Swami Vivekanand University Sagar M.P.



Semester IV Branch -CIVIL Engineering

Subject wise distribution of marks and corresponding credits

S.No.	Subject Code	Subject Name & Title	Maximum Marks Allotted						Credits Allotted Subject wise	Total Credits	Remark			
			Theory Slot			Practical Slot		Total Marks						
			End Sem.	Mid Sem. MST (Two tests average)	Quiz, Assignment	End Sem	Term work		Period per week					
							Lab work & sessional	Assignment/ quiz		L		T	P	
1	BTCE-0401	Mathematics III	70	20	10	-	-	-	100	3	1	-	04	
2	BTCE-0402	Concrete Technology	70	20	10	-	-	-	100	3	1	-	04	
3	BTCE-0403	Surveying	70	20	10	30	10	10	150	3	1	2	06	
4	BTCE-0404	Construction Materials & Techniques	70	20	10	30	10	10	150	3	1	2	06	
5	BTCE-0405	Fluid Mechanics	70	20	10	30	10	10	150	3	1	2	06	
6	BTCE-0406	Computer Programming -II	-	-	-	30	10	10	50	0	0	2	02	
7	BTCE-0407	Self study (Internal Assessment)	-	-	-	-	-	50	50	0	0	2	02	Grand Total
8.	BTCE-0408	Seminar / Group Discussion (Internal Assessment)	-	-	-	-	-	50	50	0	0	2	02	
		Total	350	100	50	120	40	140	800	15	5	12	32	800

MST: Mid Semester Tests Taken at Least twice Per Semester

L: Lecture - T: Tutorial - P: Practical

Swami Vivekanand University Sagar M.P.

Semester V Branch -CIVIL Engineering Subject wise distribution of marks and corresponding credits

S.No.	Subject Code	Subject Name & Title	Maximum Marks Allotted						Credits Allotted Subject wise	Total Credits	Remark			
			Theory Slot			Practical Slot		Total Marks						
			End Sem.	Mid Sem. MST (Two tests average)	Quiz, Assignment	End Sem	Term work		Period per week					
							Lab work & sessional	Assignment/ quiz						
						L T P								
1	BTCE-0501	Transportation Engineering	70	20	10	30	10	10	150	3	1	2	06	
2	BTCE-0502	Advanced Surveying	70	20	10	30	10	10	150	3	1	2	06	
3	BTCE-0503	Fluid Mech. - II	70	20	10	30	10	10	150	3	1	2	06	
4	BTCE-0504	Structural Design & Drawing – I (RCC)	70	20	10	30	10	10	150	3	1	2	06	
5	BTCE-0505	Theory of Structures -I	70	20	10	-	-	-	100	3	1	-	04	
6	BTCE-0507	Self study (Internal Assessment)	-	-	-	-	-	50	50	0	0	2	02	Grand Total
7.	BTCE-0508	Seminar / Group Discussion (Internal Assessment)	-	-	-	-	-	50	50	0	0	2	02	
		Total	350	100	50	120	40	140	800	15	5	12	32	800

MST: Mid Semester Tests Taken at Least twice Per Semester

L: Lecture - T: Tutorial - P: Practical



Swami Vivekanand University Sagar M.P.



Semester VI Branch -CIVIL Engineering Subject wise distribution of marks and corresponding credits

S.No.	Subject Code	Subject Name & Title	Maximum Marks Allotted						Credits Allotted Subject wise	Total Credits	Remark			
			Theory Slot			Practical Slot		Total Marks						
			End Sem.	Mid Sem. MST (Two tests average)	Quiz, Assignment	End Sem	Term work		Period per week					
							Lab work & sessional	Assignment/ quiz		L		T	P	
1	BTCE-0601	Theory of Structures-II	70	20	10	30	10	10	150	3	1	2	06	
2	BTCE-0602	Water Resources & Irrigation Engineering	70	20	10	-	-	-	100	3	1	-	04	
3	BTCE-0603	Environmental Engg. - I	70	20	10	30	10	10	150	3	1	2	06	
4	BTCE-0604	Geo Tech Engg I	70	20	10	30	10	10	150	3	1	2	06	
5	BTCE-0605	Structural Design & Drawing – II	70	20	10	30	10	10	150	3	1	2	06	
6	BTCE-0606	Self study (Internal Assessment)	-	-	-	-	-	50	50	0	0	2	02	Grand Total
7.	BTCE-0607	Seminar / Group Discussion (Internal Assessment)	-	-	-	-	-	50	50	0	0	2	02	
		Total	350	100	50	120	40	140	800	15	5	12	32	800

MST: Mid Semester Tests Taken at Least twice Per Semester

L: Lecture - T: Tutorial - P: Practical

Swami Vivekanand University Sagar M.P.

Semester VII Branch -CIVIL Engineering

Subject wise distribution of marks and corresponding credits

S.No.	Subject Code	Subject Name & Title	Maximum Marks Allotted						Credits Allotted Subject wise	Total Credits	Remark			
			Theory Slot			Practical Slot		Total Marks				Period per week		
			End Sem.	Mid Sem. MST (Two tests average)	Quiz, Assignment	End Sem	Term work							
							Lab work & sessional	Assignment/ quiz	L	T		P		
1	BTCE-0701	Design of Hydraulic Structure	70	20	10	-	-	-	100	3	1	-	04	
2	BTCE-0702	Advanced Structural Design – II (R.C.C.)	70	20	10	30	10	10	150	3	1	2	06	
3	BTCE-0703	Environmental Engg. - II	70	20	10	30	10	10	150	3	1	2	06	
4	BTCE-0704	Quantity Surveying & Costing	70	20	10	30	10	10	150	3	1	2	06	
5	BTCE-0705	Elective -I	70	20	10	-	-	-	100	3	1	-	04	
6	BTCE-0706	Minor Project	-	-	-	60	20	20	100	0	0	4	04	Grand Total
7.	BTCE-0707	Tour /Training (2Week) (Internal Assessment)	-	-	-	30	10	10	50	0	0	2	02	
		Total	350	100	50	180	60	60	800	15	5	12	32	800

MST: Mid Semester Tests Taken at Least twice Per Semester

L: Lecture - T: Tutorial - P: Practical

Elective –I

**BTCE -0710(A) COMPUTATIONAL METHODS IN
STRUCTURAL ENGINEERING**

BT CE -0710(B) TRAFFIC ENGINEERING

BTCE- 0710(C) INDUSTRIAL WASTE TREATMENT

**BTCE-0710(D) COST EFFECTIVE & ECO-
FRIENDLYCONSTRUCTION**

BTCE-0710(E) ENVIRONMENTAL IMPACT ASSESSMENT



Semester VIII Branch -CIVIL Engineering Subject wise distribution of marks and corresponding credits

S.No.	Subject Code	Subject Name & Title	Maximum Marks Allotted						Credits Allotted Subject wise	Total Credits	Remark			
			Theory Slot			Practical Slot		Total Marks						
			End Sem.	Mid Sem. MST (Two tests average)	Quiz, Assignment	End Sem	Term work		Period per week					
							Lab work & sessional	Assignment/ quiz	L	T		P		
1	BTCE-0801	Geo. Technical Engg.II	70	20	10	30	10	10	150	3	1	2	06	
2	BTCE-0802	Construction Planning & Management	70	20	10	-	-	-	100	3	1	-	04	
3	BTCE-0803	Advanced Structural Design II (Steel)	70	20	10	30	10	10	150	3	1	2	06	
4	BTCE-0804	Elective –II (Refer Table Below)	70	20	10	-	-	-	100	3	1	-	04	
5	BTCE-0805	Major Project	-	-	-	100	100	50	250	-	-	10	10	
6	BTCE-0806	Seminar and Group Discussion	-	-	-	-	-	50	50	-	-	2	02	Grand Total
		Total	280	80	40	160	120	120	800	12	4	16	32	800

MST: Mid Semester Tests Taken at Least twice Per Semester

L: Lecture - T: Tutorial - P: Practical

Elective –II

BTCE -0804(A) Structural Dynamics & Earthquake Engineering

BTCE -0804(B) Pavement Design

BTCE- 0804(C) Air Quality Monitoring & Control

BTCE-0804(D) Energy Efficient & Green Building