

**MVN University,
Palwal**

**B. Tech. Civil Engineering
(w.e.f.- 2012)**

MVN UNIVERSITY, PALWAL

Department of Civil Engineering

Semester - I (Common for all Branches)

S.No	Course Title	Teaching Schedule			Total Hours	Credit
		L	T	P		
1	Applied Mathematics-I (Code-AHL 103)	3	1	0	4	4
2	Applied Physics-I (Code -AHL101)	3	1	2	6	5
3	Communication skills in English-I (Code- AHL-105)	3	1	0	4	4
4	Introduction to Computer programming (Code - CSL 101)	3	1	2	6	5
5	Electrical Technology (Code-EEL 100)	3	1	2	6	5
	Basic Electronics (Code- ECL 100)					
6	Elements of Mechanical Engineering (Code - MEL 101)	3	1	2	6	5
7	Professional Communication-1 (Code- AHL 101)	1	0	2	3	NC
Total		19	6	10	35	28

Semester - II (Common for all Branches)

S.No	Course Title	Teaching Schedule			Total Hours	Credit
		L	T	P		
1	Applied Mathematics-II (Code – AHL 104)	3	1	0	4	4
2	Applied Physics-II (Code- AHL 102)	3	1	2	6	5
3	Communication skills in English-II(Code-AHL106)	3	1	0	4	4
4	Advance C programming (Code-CSL 102)	3	1	2	6	5
5	Engineering Drawing (Code-MEP 102)	1	0	3	4	3
6	Electrical Technology (Code-EEL100)/Basics of Electronics (Code-ECL 100)	3	1	2	6	5
7	Professional Communication-II (Code AHP002)	1	0	2	3	NC
8	Environmental Studies (Code – AHL 108)	2	0	0	2	2
	Total	19	5	11	35	28

SCHEME OF EXAMINATION (B.Tech.- 3rd Semester)

S. No	Name of Subject	Sub Code	Teaching Schedule			Total	Credit
			L	T	P		
1	Strength of Material	CEL201	3	1	0	4	4
2	Fluid Mechanics-I	CEL203	3	1	2	6	5
3	Engineering Geology	CEL205	3	0	2	5	4
4	Surveying-I	CEL207	3	0	3	6	5
5	Managerial Economics	MSL503	3	0	0	3	3
6	Professional Communication-III	AHP 201	1	0	2	3	NC
7	Applied Mathematics-III	AHL 211	3	1	0	4	4
	Total		19	3	9	1	25

SCHEME OF EXAMINATION (B.Tech.- 4th Semester)

S. No	Name of Subject	Sub Code	Teaching Schedule			Total	Credit
			L	T	P		
1	Structural Analysis-I	CEL202	3	1	0	4	4
2	Fluid Mechanics-II	CEL204	3	1	2	6	5
3	Surveying-II	CEL208	3	0	3	6	5
4	Building Material & Building Construction	CEL212	3	0	2	5	4
5	Numerical Method	AHL208	3	1	2	6	5
6	POM	MSL- 212	4	0	0	4	4
7	VAC`-I	CEV202	0	0	2	2	NC
	Total		19	3	11	33	27

SCHEME OF EXAMINATION (B.Tech.- 5th Semester)							
S. No	Name of Subject	Sub Code	Teaching Schedule			Total	Credit
			L	T	P		
1	Structural Analysis II	CEL331	3	1	2	6	5
2	Design of concrete structures I	CEL333	3	1	0	4	4
3	Transportation Engineering I	CEL335	3	0	2	5	4
4	Engineering Hydrology	CEL337	3	0	0	3	3
5	Environmental Engineering I	CEL 339	3	0	2	5	4
6	Soil Mechanics	CEL341	3	1	2	6	5
7	Practical Training- I	CET 343	0	0	0	0	3
8	VAC-II	CEV 300	2	0	0	2	NC
9	Computer app in civil Engineering	CEP345	0	0	3	3	NC
	Total		20	3	10	34	28

Note: Survey camp will be held after 5th semester for minimum 7 days in a sub mountainous area away from university preferably in camp conditions.

SCHEME OF EXAMINATION (B.Tech.- 6th Semester)							
S. No	Name of Subject	Sub Code	Teaching Schedule			Total	Credit
			L	T	P		
1	Structure Analysis III	CEL332	3	1	2	6	5
2	Irrigation Engineering	CEL334	3	0	0	3	3
3	Environmental Engineering II	CEL336	3	0	2	5	4
4	Transportation Engineering II	CEL338	3	0	0	3	3
5	Foundation Engineering	CEL 340	3	1	2	6	5
6	Design of concrete structures-II	CEL 342	3	1	2	6	5
7	Professional Communication-IV	AHP 300	0	0	2	2	NC
8	Computer Application in civil Engg-II Lab	CEP 344	0	0	3	3	2
	Total		18	3	13	34	27

SCHEME OF EXAMINATION (B.Tech.- 7th Semester)

S. No	Name of Subject	Sub Code	Teaching Schedule			Total	Credit
			L	T	P		
1	Design of Steel Structures	CEL 401	3	1	2	6	5
2	Construction management	CEL403	3	1	0	4	4
3	Minor Project	CED 405	0	0	4	4	2
4	Elective I	CEL 407	3	1	0	4	4
5	Elective II	CEL409	3	1	0	4	4
6	Practical Training- II	CET 411	0	0	0	0	4
7	Professional Communication –V	AHP 400	2	0	0	2	0
	Total		14	4	8	26	23

SCHEME OF EXAMINATION (B.Tech.- 8th Semester)

S. No	Name of Subject	Sub Code	Teaching Schedule			Total	Credit
			L	T	P		
1	Quantity Surveying	CEL 402	3	1	2	6	5
2	Advanced foundation Engineering	CEL 404	3	1	0	4	4
3	Elective III	CEL 406	3	1	0	4	4
4	Elective IV	CEL 408	3	1	0	4	4
5	Independent Seminar	CEC 410	0	0	2	2	1
6	Project	CED 412	0	0	12	12	6
7	VAC -III	CEV 402	0	0	2	2	0
	Total		12	4	18	4	24

Elective-I	
CEL 407	Environmental Impact and Assessment
CEL 401	Prestressed Concrete.
CEL 403	Structural Dynamics.
Elective-II	
CEL 409	Town Planning.
CEL 403	Advanced Design of RCC and Steel Structure.
CEL 405	Repair & Maintenance of Buildings.
Elective-III	
CEL 406	Ground Water & Sedimentation Transport.
CEL 408	Earthquake engineering.
CEL 410	Solid Waste Management.
Elective-IV	
CEL 412	Bridge Engineering.
CEL 414	Design of Water Resource Systems.
CEL 416	Geographical Information System.