

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR-5
(A UGC Autonomous Institute affiliated to RGPV, Bhopal)

M.Tech.(Environmental Engg.)

W.E.F JULY 2017

For batches admitted in July, 2017 (to be implemented in July, 2017)

I Semester

Total credit = 32

S.No.	Subject Code	Name of Subject	Period Per Week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam	Tests (two)	Assignment/ Quiz	End Sem. Practical/ Viva	Practical Record / Assignment / Quiz/ Presentation	
1	530101	Environmental Chemistry & Microbiology	3	1	-	4	70	20	10	-	-	100
2	530102	Materials & Equipments	3	1	-	4	70	20	10	-	-	100
3	530103	Quantitative Methods	3	1	-	4	70	20	10	-	-	100
4	530104	Solid Waste Management	3	1	-	4	70	20	10	-	-	100
5	530105	Functional Planning Building Services & Maintenance Management	3	1	-	4	70	20	10	-	-	100
6	530106	Lab.-1 Computer Lab.-I	-	-	6	6	-	-	-	90	60	150
7	530107	Lab-2 Env. Lab.-I	-	-	6	6	-	-	-	90	60	150
Total			15	5	12	32	350	100	50	180	120	800

L: Lecture, T: Tutorial, P: Practical

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II Semester

Total credit = 32

S.No.	Subject Code	Name of Subject	Period Per Week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam	Tests (two)	Assignment/ Quiz	End Sem. Practical/ Viva	Practical Record / Assignment / Quiz/ Presentation	
1	530201	Air Pollution and Sound Pollution	3	1	-	4	70	20	10	-	-	100
2	530202	Advanced Treatment Process – I (Water Supply Engg.)	3	1	-	4	70	20	10	-	-	100
3	530203	Advanced Treatment Process – II (Sanitary Engg.)	3	1	-	4	70	20	10	-	-	100
4	530204	Project Management	3	1	-	4	70	20	10	-	-	100
5	530205	Environmental Impact Assessment & ethics	3	1	-	4	70	20	10	-	-	100
6	530206	Lab.-1 Computer Lab.-II	-	-	6	6	-	-	-	90	60	150
7	530207	Lab-2 Env. Lab.-II	-	-	6	6	-	-	-	90	60	150
Total			15	5	12	32	350	100	50	180	120	800

L : Lecture, T: Tutorial, P : Practical

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III Semester

S. No.	Subject Code	Name of Subject	Periods per Week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam	Mid Sem. Exam.	Assignment / Quiz	End Sem. Practical / Viva	Practical Record / Assignment / Quiz / Presentation	
1.	530301	Elective I	3	1	-	4	70	20	10	-	-	100
2.	530302	Elective II	3	1	-	4	70	20	10	-	-	100
3.	530303	Seminar	-	-	4	4	-	-	-	-	100	100
4.	530304	Preliminary Dissertation (Literature Survey)	-	-	8	8	-	-	-	120	80	200
Total			6	2	12	20	140	40	20	120	180	500

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Elective I	530301(A)	Principles & Design of Biological Treatment System	530301(B)	Contaminant Transport	530101 (C)	Environmental Risk Assessment & Management
Elective II	530302 (A)	Urban Hydrology & Waste Management	530302 (B)	Air & Water Quality Modeling	530303 (C)	Environmental Planning

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IV Semester

S. No.	Subject Code	Name of Subject	Periods per Week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam	Mid Sem. Exam.	Assignment / Quiz	End Sem. Practical/ Viva	Practical Record / Assignment / Quiz/ Presentation	
1.	530401	Dissertation	-	-	20	20	-	-	-	300	200	500
Total			-	-	20	20	-	-	-	300	200	500

L: Lecture, T: Tutorial, P : Practical

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