

**Department Of Civil Engineering**  
**M TECH. (ENVIRONMENTAL ENGINEERING AND MANAGEMENT)**  
**Scheme of Instruction and Examination**  
 (with effect from 2015-16 academic year)

**I – SEMESTER**

Code No.	Course title	Scheme of Instruction			Scheme of Examination			Total	Credits
		Lec	Tut	Total	Exam (hrs)	Ext	Sess		
EEM1.1	Numerical Methods and Statistical Analysis	4	--	4	3	70	30	100	4
EEM1.2	Environmental Chemistry	4	--	4	3	70	30	100	4
EEM1.3	Environmental Microbiology and Sanitation	4	--	4	3	70	30	100	4
EEM1.4	Environmental Hydraulics	4	--	4	3	70	30	100	4
EEM1.5	a)Environmental Impact Analysis b) Watershed Management c)Ecological and Ecosystem Engineering	4	--	4	3	70	30	100	4
EEM1.6	a) Remote sensing & GIS Applications b)Environmental Legislation c) Occupational Health, Safety and Hygiene	4	--	4	3	70	30	100	4
EEM1.7	Environmental Engineering Lab	--	3	3	Viva	50	50	100	2
EEM1.8	Case Studies		3	3	Viva	50	50	100	2
<b>Total</b>		<b>24</b>	<b>6</b>	<b>30</b>		<b>520</b>	<b>280</b>	<b>800</b>	<b>28</b>

**II – SEMESTER**

Code No.	Course title	Scheme of Instruction			Scheme of Examination			Total	Credits
		Lec	Tut	Total	Exam (hrs)	Ext	Sess		
EEM2.1	Advanced Water and Wastewater Treatment	4	--	4	3	70	30	100	4
EEM2.2	Air Pollution and Control	4	--	4	3	70	30	100	4
EEM2.3	Solid and Hazardous Waste Management	4	--	4	3	70	30	100	4
EEM2.4	Industrial Wastewater Treatment	4	--	4	3	70	30	100	4
EEM2.5	a)Disaster Management b)Agricultural Pollution and Control c) Environmental Biotechnology	4	--	4	3	70	30	100	4
EEM2.6	a) Energy, Environment and Sustainability b) Surface and Groundwater modelling c) Plumbing Services and Maintenance	4	--	4	3	70	30	100	4
EEM2.7	Environmental Process Design and Drawing	--	3	3	Viva	50	50	100	2
EEM2.8	Seminar		3	3	Viva	50	50	100	2
<b>Total</b>		<b>24</b>	<b>6</b>	<b>30</b>		<b>520</b>	<b>280</b>	<b>800</b>	<b>28</b>

**III and IV SEMESTERS**

Code No	Course title	Scheme of Examination	Total Marks	Credits
EEM3.1	Dissertation (Preliminary)	Viva-voce	<b>100</b>	<b>10</b>
EEM4.1	Dissertation (Final)	Defence and Viva-voce	<b>100</b>	<b>14</b>