

**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**  
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to R.G.P.V., Bhopal MP)

**W.E.F JULY 2020**

**ANNEXURE - V**

**Master of Technology in Environmental Engineering (Semester – I)**

**Scheme of Examination**

S. No.	Subject Code	Subject Name	Maximum Marks Allotted							Total Marks	Contact Periods per week			Total Credits
			Theory Slot			Practical Slot		MOOCs			L	T	P	
			End Sem	Mid Sem	Quiz/ Assignment	End Sem	Lab Work / Sessional	Assignment	Exam					
1.	530111	Environmental Chemistry & Microbiology	70	20	10	-	-	-	-	100	3	-	-	3
2.	530112	Solid & Hazardous Waste Management	70	20	10	-	-	-	-	100	3	-	-	3
3.	530113	Advanced Treatment Process – I (Waste Water Engineering)	70	20	10	-	-	-	-	100	3	-	-	3
4.		#Elective - I	70	20	10	-	-	-	-	100	3	-	-	3
5.		*Open Category Course (OC-1)	70	20	10	-	-	-	-	100	3	-	-	3
6.	530118	Environmental Engineering Lab	-	-	-	90	60	-	-	150	-	-	4	4
7.	530119	S Self Learning / Presentation	-	-	-	-	100	-	-	100	-	-	2	2
		<b>Total</b>	<b>350</b>	<b>100</b>	<b>50</b>	<b>90</b>	<b>160</b>	<b>-</b>	<b>-</b>	<b>750</b>	<b>15</b>	<b>-</b>	<b>6</b>	<b>21</b>

**#Elective - I**

- 530114. Industrial Waste Management
- 530115. Environmental Auditing & Management System
- 530116. Environmental Hydraulics

\* Open Category Course (OC-1) will have to be opted from the pool of open courses and based on interdisciplinary aspects.

800110 530117. Sustainable Waste Management System.

*Auth* During labs, students have to perform practical/assignments/ minor projects related to theory subjects/theoretical concepts of respective semester using recent technologies / languages / tools etc.

\*Self learning / presentation through SWAYAM / NPTEL (Registration in a course will be compulsory for students but assessment will be based on internal seminar presentation)

*Auth* *27.5.20* *27.5.20* *27.5.20* *27.5.20* *27.5.20*

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**W.E.F JULY 2020**

**Master of Technology in Environmental Engineering (Semester – II)**

**Scheme of Examination**

S. No.	Subject Code	Subject Name	Maximum Marks Allotted						Total Marks	Contact Periods per week			Total Credits	
			Theory Slot			Practical Slot		MOOCs		L	T	P		
			End Sem	Mid Sem	Quiz/ Assignment	End Sem	Lab Work / Sessional	Assignment						Exam
1.	530211	Air Pollution & Noise Pollution	70	20	10	-	-	-	-	100	3	-	-	3
2.	530212	Advanced Treatment Process – II (Water Supply Engineering)	70	20	10	-	-	-	-	100	3	-	-	3
3.	530213	Environmental Impact Assessment & Ethics	70	20	10	-	-	-	-	100	3	-	-	3
4.		##Elective - II	-	-	-	-	-	25	75	100	3	-	-	3
5.		**Open Category Course (OC-2)	70	20	10	-	-	-	-	100	3	-	-	3
6.	530217	Advanced Environmental Engineering Lab	-	-	-	90	60	-	-	150	-	-	4	4
7.	530218	S Self Learning / Presentation	-	-	-	-	100	-	-	100			2	2
		<b>Total</b>	<b>280</b>	<b>80</b>	<b>40</b>	<b>90</b>	<b>160</b>	<b>25</b>	<b>75</b>	<b>750</b>	<b>15</b>	<b>-</b>	<b>6</b>	<b>21</b>

**##Elective-II (Through SWAYAM / NPTEL / MOOC based learning platform (with credit transfer facility))**

**TENTATIVE COURSE LIST (Will be finalized once final list of MOOC course is available in Nov, 2020)**

530214. Plastic Waste Management ✓

530215. Electronic Waste Management

**\*\*Open Category Course (OC-2)** will have to be opted from the pool of open courses and based on interdisciplinary aspects.

800209 530216. Global Climatic Changes & Disaster Management

*During labs, students have to perform practical/assignments/ minor projects related to theory subjects/theoretical concepts of respective semester using recent technologies / languages / tools etc.*

<sup>Self learning / presentation through SWAYAM / NPTEL. (Registration in a course will be compulsory for students but assessment will be based on internal seminar presentation)</sup>

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**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**  
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**Master of Technology in Environmental Engineering (Semester – III)**

**For batch admitted in academic session 2020 – 21**

**Scheme of Examination**

S. No.	Subject Code	Subject Name	Maximum Marks Allotted						Total Marks	Contact Hours per week			Total Credits	
			Theory Slot			Practical Slot		MOOCs		L	T	P		
			End Sem.	Mid Sem.	Quiz/ Assignment	End Sem. /Practical Viva	Sessional Work/ Practical Record/ Assignment/ Quiz/ Presentation	Assignment						Exam
1.	530311	Dissertation Part-I (Literature Review/ Problem Foundation/ Synopsis/survey paper, etc.)	-	-	-	150	100			250	-	-	10	10
2.	<del>530312</del>	*MOOC Course	-	-	-	-	-	25	75	100	02	-	-	02
		<b>Total</b>	-	-	-	150	100	25	75	350	-	-	12	12

\*MOOC course : Trace & Ultra Trace Analysis of metals using Atomic Absorption Spectrometry (800309) hute

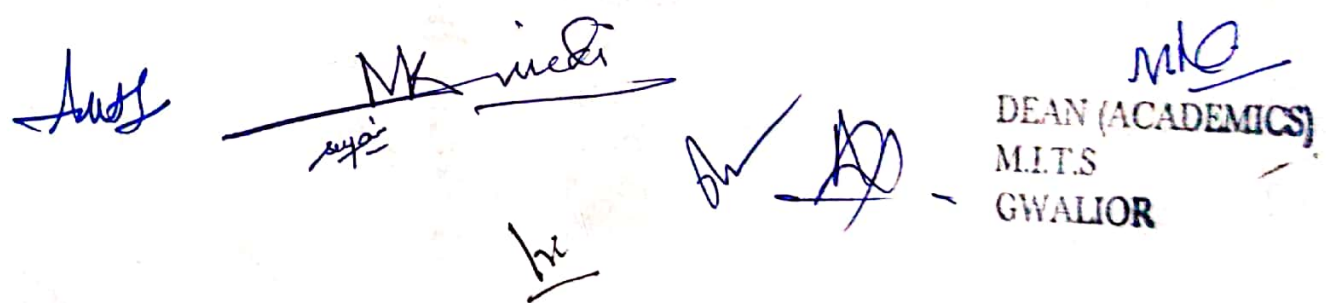
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**W.E.F JULY 2020**

**Master of Technology in Environmental Engineering (Semester – IV)**

**Scheme of Examination**

S. No.	Subject Code	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
			Theory Slot			Practical Slot			L	T	P	
			End Sem.	Mid Sem.	Quiz/ Assignment	End Sem. /Practical Viva	Sessional Work/ Practical Record/ Assignment/ Quiz/ Presentation					
1.	530405	Dissertation Part-II	-	-	-	300	200	500	-	-	14	14
		<b>Total</b>	-	-	-	300	200	500	-	-	14	14


  
 Several handwritten signatures in blue ink are present. One signature is clearly legible as 'MK' with 'M.T.S' written below it. To the right, there is a stamp that reads 'DEAN (ACADEMICS) M.I.T.S GWALIOR' with a signature above it.