

# **MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**

**A Grant-in-Aid Autonomous Institute of Government of M.P India, Estd in 1957  
(Affiliated to R.G.P.V. Bhopal M.P)**

## **SCHEME**

**(Under Flexible Curriculum)**

### **B. Tech Chemical Engineering with Honors**



**Admitted Batch**

**(2018-2022)**

**DEPARTMENT OF CHEMICAL  
ENGINEERING**

# MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous Institute Affiliated to RGPV, Bhopal)

Scheme of Examination

B. Tech. V Semester (Chemical Engineering)

***For batches admitted in academic session July, 2018***

S.No	Subject Code	Subject Name	Theory MOOC			Credits
			End Sem	Assignment/ Quiz	Total Marks	
1.	H170501	Chemical Process Intensification	75	25	100	04
2.	H170502	Technologies for Clean and Renewable Energy Production	75	25	100	03
3.	H170503	Advanced Fluid Mechanics	75	25	100	04

**Please follow the code for Honors course as follows:**

**HXXYYZZ** represent:

**H** - Honors course

**XX**- department code

**YY** - semester

**ZZ** - serial no of the course

e.g. H110501

# MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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Scheme of Examination

B. Tech. VI Semester (Chemical Engineering)

***For batches admitted in academic session July, 2018***

S.No	Subject Code	Subject Name	Theory MOOC			Credits
			End Sem	Assignment/ Quiz	Total Marks	
1.	H170601	Environmental Quality Monitoring & Analysis	75	25	100	04
2.	H170602	Electrochemical Technology in Pollution Control	75	25	100	03
3.	H170603	Soft Nano Technology	75	25	100	03

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**H** - Honors course

**XX**- department code

**YY** - semester

**ZZ** - serial no of the course

e.g. H110501

# MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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Scheme of Examination

B. Tech. VII Semester (Chemical Engineering)

***For batches admitted in academic session July, 2018***

S.No	Subject Code	Subject Name	Theory MOOC			Credits
			End Sem	Assignment/ Quiz	Total Marks	
1.	H170701	Colloids and Surfaces	75	25	100	03
2.	H170702	Heat Exchangers: Fundamentals and Design Analysis	75	25	100	04
3.	H170703	Trace and Ultra – trace Analysis of Metals using Atomic Absorption Spectrometry	75	25	100	04

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**YY** - semester

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e.g. H110501

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Scheme of Examination

B. Tech. VIII Semester (Chemical Engineering)

***For batches admitted in academic session July, 2018***

S.No	Subject Code	Subject Name	Theory MOOC			Credits
			End Sem	Assignment/ Quiz	Total Marks	
1.	H170801	Computer Aided Applied Single Objective Optimization	75	25	100	04
2.	H170802	Advanced Thermodynamics and Molecular Simulations	75	25	100	04
3.	H170803	Polymer Reaction Engineering	75	25	100	04

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**H** - Honors course

**XX**- department code

**YY** - semester

**ZZ** - serial no of the course

e.g. H110501