

**GROUP A: II Semester &  
Scheme of Examination (B.Tech.)  
GROUP B: I Semester**

***For batches admitted in Academic Session 2018-19 onwards***

S.No	Subject Code	Category	Subject Name	Maximum Marks Allotted				Total Marks	Contact Hours per week			Total Credits
				Theory Slot		End Sem.	Practical Slot Lab work & Sessional		L	T	P	
				End Sem.	Mid Sem.							
1.	100101	BSC	Engineering Chemistry (BSC-2)	70	20	10	30	20	3	-	2	4
2.	100102	BSC	Mathematics-I (BSC-3)	70	20	10	-	-	3	1	-	4
3.	100103	HSMC	Technical English (HSMC-3)	70	20	10	30	20	3	-	2	4
4.	100104	ESC	Basic Electrical & Electronics Engineering(ESC-4)	70	20	10	30	20	3	-	2	4
5.	100105	ESC	Engineering Graphics(ESC-5)	70	20	10	30	20	2	-	2	3
6.	100106	ESC	Manufacturing Practices(ESC-6)	-	-	-	30	20	-	-	2	1
			<b>Total</b>	<b>350</b>	<b>100</b>	<b>50</b>	<b>150</b>	<b>100</b>	<b>14</b>	<b>1</b>	<b>10</b>	<b>20</b>
Induction programme of first three weeks (MC): Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, Familiarization to Dept./Branch & Innovations												

GROUP A: (Electrical, Electronics, Computer Science & Engineering, Information Technology, Electronics & Telecommunication)  
GROUP B: (Civil, Mechanical, Chemical, Biotech, Automobile)

Handwritten signatures and notes in blue ink, including names like "F. Singh", "Bhawan", "Prasad", "Ajay", "Ajay", "Ajay", and "Ajay".

Scheme of Examination (B.Tech.)  
GROUP A: I Semester & GROUP B: II Semester

**For batches admitted in Academic Session 2018-19 onwards**

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted				Total Marks	Contact Hours per week			Total Credits
				Theory Slot		Practical Slot			L	T	P	
				End Sem.	Mid Sem Exam.	Quiz/ Assignment	End Sem.					
1.	100201	BSC	Engineering Physics (BSC-1)	70	20	10	30	20	2	1	2	4
2.	100202	HSMC	Energy, Environment, Ecology & Society (HSMC-1)	70	20	10	-	-	3	-	-	3
3.	100203	ESC	Basic Computer Engineering (ESC-1)	70	20	10	30	20	3	-	2	4
4.	100204	ESC	Basic Mechanical Engineering (ESC-2)	70	20	10	30	20	3	-	2	4
5.	100205	ESC	Basic Civil Engineering & Mechanics (ESC-3)	70	20	10	30	20	3	-	2	4
6.	100206	HSMC	Language Lab. & Seminars (HSMC-2)	-	-	-	30	20	-	-	4	2
			<b>Total</b>	<b>350</b>	<b>100</b>	<b>50</b>	<b>150</b>	<b>100</b>	<b>14</b>	<b>1</b>	<b>12</b>	<b>21</b>
Summer Internship Project - I (Institute Level) (Qualifier): Minimum two-week duration												

GROUP A: (Electrical, Electronics, Computer Science & Engineering, Information Technology, Electronics & Telecommunication)

GROUP B: (Civil, Mechanical, Chemical, Biotech, Automobile)

01 Theory Period = 1 Credit; 02 Practical Periods = 1 Credit

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**Scheme of Examination**  
**B.Tech III Semester (Chemical Engineering) [For batches admitted in Academic Session 2018-19]**

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Contact Periods per week			Total Credits
				Theory Slot		Practical Slot		Total Marks	L	T	P	
				End Sem.	Mid Sem. Exam.	Quiz/Assignment	End Sem.					
1.	100001	BSC	Engineering Mathematics-II(BSC-4)	70	20	10	-	-	3	1	-	4
2.	170302	DC	Organic Process Technology(DC-1)	70	20	10	-	-	3	1	-	4
3.	170303	DC	Fluid Mechanics(DC-2)	70	20	10	30	20	3	-	2	4
4.	170304	DC	Material & Energy Balance(DC-3)	70	20	10	30	20	3	-	2	4
5.	170305	DC	Fluid Particle Mechanics(DC-4)	70	20	10	30	20	3	-	2	4
7.	170306*	DLC	Chemical Synthesis Lab*(DLC-1)	-	-	-	30	20	-	-	-	1
8.	170307#	SEMINAR/ SELF STUDY	Self learning/Presentation # (SWAYAM/NPTEL/ MOOC)	-	-	-	-	25	-	-	-	1
9	170308	DLC	Summer Internship Project -I (Institute Level) (Evaluation)	-	-	-	25	-	-	-	4	2
Total				350	100	50	145	105	15	2	14	24
NSS/NCC				Qualifier								

\*Virtual Lab to be conducted along with the traditional lab

# Compulsory registration for one online course using SWAYAM/NPTEL/ MOOC, evaluation through attendance, assignments and presentation.

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 - Top right: *Agarwal*  
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Scheme of Examination

**B.Tech IV Semester (Chemical Engineering) / For batches admitted in Academic Session 2018-19 /**

S.N o.	Subject Code	Category	Subject Name	Maximum Marks Allotted						Total Marks	Contact Periods per week			Total Credits
				Theory Slot			Practical Slot				L	T	P	
				End Sem.	Mid Sem. Exam.	Quiz/ Assignme nt	End Sem.	Term work	Lab Work & Sessional					
1.	100003	BSC	Engineering Mathematics-III (BSC-5)	70	20	10	-	-	-	100	2	2	-	4
2.	170402	DC	Heat Transfer (DC-5)	70	20	10	30	20	-	150	2	1	2	4
3.	170403	DC	Mass Transfer - I (DC-6)	70	20	10	30	20	-	150	2	1	2	4
4.	170404	DC	Instrumentation & Process Control (DC-7)	70	20	10	-	-	-	100	3	1	-	4
5.	170405	DC	Mechanical Design of Process Equipment (DC-8)	70	20	10	-	-	-	100	3	1	-	4
6.	100004	MC	Cyber Security(MC)	70	20	10	-	-	-	100	3	-	-	3
6.	170407*	DLC	Process Control Lab*(DLC-2)	-	-	-	30	20	-	50	-	-	4	3
		<b>Total</b>		<b>420</b>	<b>120</b>	<b>60</b>	<b>90</b>	<b>60</b>	<b>60</b>	<b>750</b>	<b>15</b>	<b>7</b>	<b>08</b>	<b>26</b>
8	100002#	MC	Biology for Engineers(Audit Course)	70	20	10	-	-	-	100	3	-	-	-
NSS/NCC													Qualifier	
Summer Internship Project-II (Softskills Based) for two weeks duration: Evaluation in V Semester														

#Course will run for Group A/B in III/IV semester respectively (This is a non-credit course and it is optional to appear & pass in the end semester examination. However, a separate mark sheet will be issued to those who will qualify)

\*Virtual Lab to be conducted along with the traditional lab

*(Handwritten signatures and notes)*

Dr. Arun Kumar  
Prakash  
Kumar  
Shruti  
P. Singh  
M.V. Prasad  
15/10/2018  
DEAN (ACADEMICS)  
M.I.T.S  
GWALIOR



**Scheme of Examination**  
**B. Tech VI Semester (Chemical Engineering) / For batches admitted in Academic Session 2018-19/**

S. No.	Subject Code	Category	Subject Name	Maximum Marks Allotted				Total Marks			Contact Periods per week			Total Credits
				Theory Slot		Practical Slot		Total Marks	L	T	P			
				End Sem.	Mid Sem Exam	Quiz/ Assignment	End Sem.					Lab work & Sessional		
1.	100005	HSMC	Ethics, Economics Entrepreneurship & Management (HSMC-4)	70	20	10	-	100	3	-	-	3		
2.	170602	DC	Process Modeling & Simulation (DC-14)	70	20	10	30	150	2	1	2	4		
3.	170611-170614	DE	Elective - I (DE-1*)	70	20	10	-	100	4	-	-	4		
4.	170651-170653	DE	Elective - II (DE-2*)	70	20	10	-	100	4	-	-	4		
5.	900100-900200	OC	Open Course - I (OC-1*)	70	20	10	-	100	2	1	-	3		
6.	100007	MC	Disaster Management (MC)	70	20	10	-	100	3	-	-	3		
7.	170607	DLC	Minor Project-II (DLC-5)	-	-	-	50	100	-	-	4	2		
			<b>Total</b>	<b>420</b>	<b>120</b>	<b>60</b>	<b>80</b>	<b>750</b>	<b>18</b>	<b>2</b>	<b>6</b>	<b>23</b>		
				Summer Internship-III (On Job Training) for Four weeks duration: Evaluation in VII Semester										
	100006 <sup>3</sup>	MC	Indian Constitution & Traditional Knowledge (Audit Course) (MC)	70	20	10	-	100	3	-	-	-		
Additional Courses for obtaining honours or minor Specialization by serious students				Permitted to opt for maximum two additional courses for the award of Honours or Minor specialization										

\* At least one of these courses must be run on SWAYAM/NPTEL/MOOC

<sup>3</sup> Group A/B programmes will offer this course in V/VI Semester respectively. (This is a non-credit course and it is optional to appear & pass in the end semester examination. However, a separate mark sheet will be issued to those who will qualify)

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