

Scheme of Examination
B. Tech IV Semester (Chemical Engineering) For batches admitted in Academic session 2017-18

S.No	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/ Assignment	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	2
		Total		420	120	60	90	60	-	750	15	7	08	25
8	100002#	MC	Biology for Engineers(Audit Course)	70	20	10	-	-	-	100	3	-	-	-
			NSS/NCC	Qualifier										
			Summer Internship Project-II (Soft Skills Based) for two weeks duration: Evaluation in V Semester											

#This course will run for Group A/B in III/IV semester respectively (Passing is optional, however a separate mark sheet will be issued to those who qualify)

*Virtual Lab to be conducted along with the traditional lab

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Scheme of Examination
B.Tech VI Semester (Chemical Engineering) **For batches admitted in Academic session 2017-18**

S. No.	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/ Assignment	End Sem.
1.	100005	HSMC	Ethics, Economics Entrepreneurship & Management (HSMC-4)	70	20	10	-	-	-	2	-	2	
2.	170602	DC	Process Modeling & Simulation (DC-14)	70	20	10	30	20	-	2	-	3	
3.	DE	DE	Elective - I (DE-1*)	70	20	10	-	-	-	2	-	2	
4.	DE	DE	Elective - II (DE-2*)	70	20	10	-	-	-	2	-	2	
5.	OC	OC	Open Course - I (OC-1*)	70	20	10	-	-	-	2	-	2	
6.	100007	MC	Disaster Management(MC)	70	20	10	-	-	-	2	-	2	
7.	170607	DLC	Minor Project-II (DLC-5)	-	-	-	50	50	-	-	-	2	
Total				420	120	60	80	70	-	-	-	4	2
8.	100006 ^s	MC	Indian Constitution & Traditional Knowledge (Audit Course) (MC)	70	20	10	-	-	-	12	-	6	15
Additional Courses for obtaining Honours or minor Specialization by desirous students				Summer Internship-III (On Job Training) for Four weeks duration: Evaluation in VII Semester									
				70	20	10	-	-	-	100	3	-	-

Permitted to opt for maximum two additional courses for the award of Honours or Minor specialization

*Course run through SWAYAM/NPTEL/MOOC Learning Based Platform

DE-1 (Through Traditional Mode)	
S.No.	Subject Name
1.	170611 Process Equipment Design
2.	170612 Fluidization Engineering
3.	170613 Multi-Component Distillation
4.	170614 Polymer Technology

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DE-2*		
S.No.	Subject Code	Subject Name
1	170651	Chemical Reaction Engineering II
2	170652	Multiphase Flows
3	170653	Membrane Technology

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OC-1
900109- Fuels & Combustion
900110- Nano- Technology

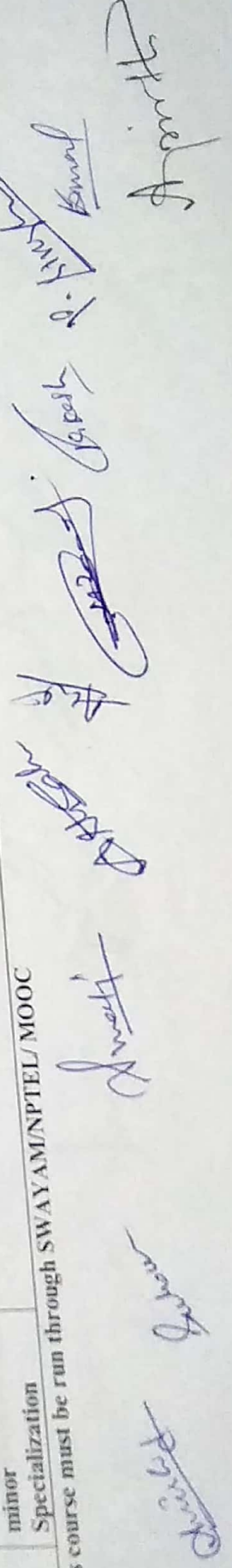
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DEAN (Academic)
M.I.T.S
GWALIOR

Scheme of Examination
B.Tech VII Semester (Chemical Engineering) For batches admitted in Academic session 2017-18

S.No.	Subject Code	Category	Subject Name & Title	Maximum Marks Allotted				Total Marks	Contact Periods per week			Total Credits
				Theory Slot		Practical Slot			L	T	P	
				End Sem.	Mid Sem. Exam	Quiz/ Assignment	End Sem.					
1	170701	DE	Elective - III (DE-3)	70	20	10	-	100	2	-	-	2
2	170702	DE	Elective - IV (DE-4*)	70	20	10	-	100	2	-	-	2
3	170703	OC	Open Course - II (OC-2)	70	20	10	-	100	2	1	-	3
4	170704	OC	Open Course - III (OC-3)	70	20	10	-	100	3	-	-	3
5	100008	MC	Intellectual Property Rights (IPR) (MC)	70	20	10	-	100	2	-	-	2
6	170706	DLC	Process Computation Lab (DLC-6)	-	-	-	50	100	-	-	4	2
7	170707	DLC	Summer Internship-III (DLC-7)(04 weeks)	-	-	-	25	50	-	-	4	2
8	170708	DLC	Creative Problem Solving (DLC-8) (Evaluation)	-	-	-	125	50	-	-	2	1
Total				350	100	50	125	750	11	1	10	17

Permitted to opt for maximum two additional courses for the award of Honours or Minor specialization

*This course must be run through SWAYAM/NPTEL/MOOC



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Scheme of Examination
B.Tech VIII Semester (Chemical Engineering) For batches admitted in Academic session 2017-18

S.No.	Subject Code	Category	Subject Name & Title	Maximum Marks Allotted					Total Marks	Contact Periods per week		Total Credits	
				Theory Slot		End Sem.	Practical Slot			L	P		
				End Sem	Mid Sem. Exam		Quiz/Assignment	Term Work Lab Work & Sessional					
1	170801	DE	Elective - V (DE-5*)	70	20	10	-	-	100	2	-	2	
2	170802	OC	Open Course - IV (OC-4*)	70	20	10	-	-	100	2	-	2	
3	170803	OC	Open Course - V (OC-5*)	70	20	10	-	-	100	2	-	2	
5	170804	DLC	Internship/Project (DLC-9)	-	-	-	250	150	400	-	-	6	3
6	170805	-	Professional Development#	-	-	-	-	50	50	-	-	2	1
Total				210	60	30	250	200	750	6	-	8	10

Additional Courses for obtaining Honours or minor Specialization by desirous students

Permitted to opt for maximum two additional courses for the award of Honours or Minor specialization

*All of these courses must be run on SWAYAM/NPTEL/MOOC
#Evaluation will be based on participation/laurels brought by the students to the institution in national/state level technical and other events during the complete tenure of the UG program (participation in professional chapter activities, club activities, cultural events, sports, personality development activities, collaborative events, MOOCs and technical events)

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