

Scheme of
UNDERGRADUATE DEGREE COURSE

B.Tech. V & VI Semester

Chemical Engineering



Rajasthan Technical University, Kota
Effective from session: 2022 – 2023



RAJASTHAN TECHNICAL UNIVERSITY, KOTA

Teaching & Examination Scheme B. Tech.: Chemical Engineering 3rd Year – V Semester

THEORY											
SN	Category	Course		Contact hrs/week			Marks				Cr
		Code	Title	L	T	P	Exm Hrs	IA	ETE	Total	
1	ESC	5CH3-01	Environmental Pollution Control	2	0	0	3	30	70	100	2
2	PCC/ PEC	5CH4-02	Chemical Reaction Engineering -I	3	0	0	3	30	70	100	3
3		5CH4-03	Mass Transfer -II	3	0	0	3	30	70	100	3
4		5CH4-04	Process Equipment Design -I	3	0	0	3	30	70	100	3
5		5CH4-05	Inorganic Chemical Technology	3	0	0	3	30	70	100	3
6		5CH5-11 5CH5-12 5CH5-13	Core Elective-I : Any One								
	Natural Gas Engineering		2	0	0	3	30	70	100	2	
	Process Instrumentation										
		Energy Resource and Utilization									
Sub Total				16	0	0					16
PRACTICAL & SESSIONAL											
7	PCC	5CH4-21	Chemical Reaction Engineering Lab-I	0	0	4	3	60	40	100	2
8		5CH4-22	Mass Transfer Lab - II	0	0	2	2	60	40	100	1
9		5CH4-23	Environmental Engineering Lab	0	0	2	2	60	40	100	1
10	PSIT	5CH7-30	Industrial Training	0	0	1		60	40	100	2.5
11	SODE CA	5CH8-00	Social Outreach, Discipline & Extra Curricular Activities						100	100	0.5
Sub- Total				0	0	9					7
TOTAL OF V SEMESTER				16	0	9					23

L: Lecture, **T:** Tutorial, **P:** Practical, **Cr:** Credits

ETE: End Term Exam, **IA:** Internal Assessment

Office of Dean Academic Affairs
Rajasthan Technical University, Kota



RAJASTHAN TECHNICAL UNIVERSITY, KOTA

Teaching & Examination Scheme B. Tech.: Chemical Engineering 3rd Year – VI Semester

THEORY												
SN	Category	Course		Contact hrs/week			Marks				Cr	
		Code	Title	L	T	P	Exm Hrs	IA	ETE	Total		
1	ESC	6CH3-01	Plant Design and Economics	2	0	0	3	30	70	100	2	
2	PCC/ PEC	6CH4-02	Chemical Reaction Engineering-II	3	0	0	3	30	70	100	3	
3		6CH4-03	Process Equipment Design-II	3	0	0	3	30	70	100	3	
4		6CH4-04	Process Dynamics and Control	3	0	0	3	30	70	100	3	
5		6CH4-05	Petroleum Refining Engineering	3	0	0	3	30	70	100	3	
6		6CH5-11	Core Elective-II: Any one Organic Chemical Technology									
		6CH5-12	Advanced Separation Process	3	0	0	3	30	70	100	3	
		6CH5-13	Polymer Science & Technology.									
Sub Total				17	0	0					17	
PRACTICAL & SESSIONAL												
7	PCC	6CH4-21	Petroleum Product Testing Lab	0	0	4	3	60	40	100	2	
8		6CH4-22	Process Dynamics and Control Lab	0	0	4	3	60	40	100	2	
9		6CH4-23	Chemical Reaction Engineering Lab-II	0	0	2	2	60	40	100	1	
10		6CH4-24	Plant Design and Economics Sessional	0	0	2	2	60	40	100	1	
11	SODE CA	6CH8-00	Social Outreach, Discipline & Extra Curricular Activities						100	100	0.5	
Sub- Total				0	0	12					6.5	
TOTAL OF VI SEMESTER				17	0	12					23.5	

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