

Scheme of
UNDERGRADUATE DEGREE COURSE

B.Tech. V & VI Semester

Petrochemical Engineering



Rajasthan Technical University, Kota

Effective from session: 2019 – 2020



RAJASTHAN TECHNICAL UNIVERSITY, KOTA

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

THEORY											
SN	Categor ory	Course		Contact hrs/week			Marks				Cr
		Code	Title	L	T	P	Exm Hrs	IA	ETE	Total	
1	ESC	5PC3-01	Environmental Pollution Control	2	0	0	2	20	80	100	2
2	PCC/ PEC	5PC4-02	Chemical Reaction Engineering -I	3	0	0	3	30	120	150	3
3		5PC4-03	Mass Transfer -II	3	0	0	3	30	120	150	3
4		5PC4-04	Process Equipment Design -I	3	0	0	3	30	120	150	3
5		5PC4-05	Petrochemical Technology	3	0	0	3	30	120	150	3
6		5PC5-11	Core Elective-I : Any One Natural Gas Engineering								
		5PC5-12	Process Instrumentation	2	0	0	2	20	80	100	2
		5PC5-13	Energy Resource and Utilization								
		Sub Total		16	0	0		160	640	800	16
PRACTICAL & SESSIONAL											
7	PCC	5PC4-21	Chemical Reaction Engineering Lab-I	0	0	4	3	60	40	100	2
8		5PC4-22	Mass Transfer Lab –II	0	0	2	2	30	20	50	1
9		5PC4-23	Environmental Engineering Lab	0	0	2	2	30	20	50	1
10	PSIT	5PC7-30	Industrial Training	0	0	1		75	50	125	2.5
11	SODE CA	5PC8-00	Social Outreach, Discipline & Extra Curricular Activities	0	0	0			25	25	0.5
		Sub- Total		0	0	9		195	155	350	7
		TOTAL OF V SEMESTER		16	0	9		355	795	1150	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.: Petrochemical Engineering 3rdYear – VI Semester

THEORY											
SN	Categor ory	Course		Contact hrs/week			Marks				Cr
		Code	Title	L	T	P	Exm Hrs	IA	ETE	Total	
1	ESC	6PC3-01	Plant Design and Economics	2	0	0	2	20	80	100	2
2	PCC/ PEC	6PC4-02	Chemical Reaction Engineering-II	3	0	0	3	30	120	150	3
3		6PC4-03	Process Equipment Design-II	3	0	0	3	30	120	150	3
4		6PC4-04	Process Dynamics and Control	3	0	0	3	30	120	150	3
5		6PC4-05	Petroleum Refinery Engineering	3	0	0	3	30	120	150	3
6		6PC5-11 6PC5-12 6PC5-13	Core Elective-II: Any one Health Safety and Environment Advanced Separation Process Polymer Science & Technology.	 3	 0	 0	 3	 30	 120	 150	 3
		Sub Total		17	0	0		170	680	850	17
PRACTICAL & SESSIONAL											
7	PCC	6PC4-21	Petroleum Product Testing Lab	0	0	4	3	60	40	100	2
8		6PC4-22	Process Dynamics and Control Lab	0	0	4	3	60	40	100	2
9		6PC4-23	Chemical Reaction Engineering Lab-II	0	0	2	2	30	20	50	1
10		6PC4-24	Plant Design and Economics Sessional	0	0	2	2	30	20	50	1
11	SODE CA	6PC8-00	Social Outreach, Discipline & Extra Curricular Activities						25	25	0.5
		Sub- Total		0	0	12		180	145	325	6.5
		TOTAL OF VI SEMESTER		17	0	12		350	825	1175	23.5

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

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

Office of Dean Academic Affairs
Rajasthan Technical University, Kota