

Course	Petrochemical Engineering	Code	PC
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Sem- III Sub. code	Title	Hrs. / Week			IA	Exam	Total
		L	T	P			
3PC1	Mechanical Operations	3		Theory Subjects	20	80	100
3PC2	Chemical process Calculations	3	1		20	80	100
3PC3	Fluid Mechanics	3	1		20	80	100
3PC4	Material Science and Technology	3			20	80	100
3PC5	Chemistry of Hydrocarbons	3			20	80	100
3PC6	Advanced Engg. Mathematics-I	3	1		20	80	100
3PC7	Process Computations	Practical laboratory courses		2	60	40	100
3PC8	Fluid Mechanics Lab		2	60	40	100	
3PC9	Programming Lab		2	45	30	75	
3PC10	Energy and Geopolitics		2	45	30	75	
3PCDC	Discipline & Extra Curricular Activity						50
	Total	18	3	8			1000

Sem- IV Sub. code	Title	Hrs. / Week			IA	Exam	Total
		L	T	P			
4PC1	Advanced Engineering Mathematics-II	3	1	Theory Subjects	20	80	100
4PC2	Heat Transfer	3	1		20	80	100
4PC3	Mass Transfer	3	1		20	80	100
4PC4	Introduction to Petroleum Engineering	3			20	80	100
4PC5	Introduction to Petrochemicals	3			20	80	100
4PC6	Process Instrumentation	3			20	80	100
4PC7	Applied Numerical Methods	Practical laboratory courses		2	45	30	75
4PC8	Mass Transfer Lab		2	60	40	100	
4PC9	Heat Transfer Lab		2	60	40	100	
4PC10	Petroleum Product Testing Lab		2	45	30	75	
4PCDC	Discipline & Extra Curricular Activity						50
	Total	18	3	8			1000

RAJASTHAN TECHNICAL UNIVERSITY, KOTA
B. Tech. Scheme

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Sem- V Sub. code	Title	Hrs. / Week			IA	Exam	Total	
		L	T	P				
5PC1	Separation Process	3	1	Theory Subjects	20	80	100	
5PC2	Chemical Reaction Engineering	3			20	80	100	
5PC3	Applied Thermodynamics	3	1		20	80	100	
5PC4	Process Equipment and Design	3	1		20	80	100	
5PC5	Petrochemical Technology	3			20	80	100	
5PC6.1	Health Safety and Environment	3			20	80	100	
5PC6.2	Elective 2							
5PC6.3	Elective 3							
5PC7	Separation Process Lab	Practical laboratory courses			2	60	40	100
5PC8	Chemical Reaction Engg Lab				2	60	40	100
5PC9	Health Safety and Environment Lab			2	30	20	50	
5PC10	Process Equipment Design			2	60	40	100	
5PCDC	Discipline & Extra Curricular Activity						50	
	Total	18	3	8			1000	

Sem- VI Sub. code	Title	Hrs. / Week			IA	Exam	Total	
		L	T	P				
6PC1	Petroleum Refinery Engineering	3		Theory Subjects	20	80	100	
6PC2	Energy Resources and Utilities	3			20	80	100	
6PC3	Process Design	3	1		20	80	100	
6PC4	Heterogeneous Reaction Engineering	3			20	80	100	
6PC5	Fertiliser Technology	3			20	80	100	
6PC6.1	Advanced Separation Process	3			20	80	100	
6PC6.2	Fluidization Engineering							
6PC6.3	Transportation of Petroleum Products							
6PC7	Mechanical Operations Lab	Practical laboratory courses			2	60	40	100
6PC8	Professional Ethics and Human Values				2	30	20	50
6PC9	Process Design			2	60	40	100	
6PC10	Transportation of Petroleum Products			2	60	40	100	
6PCDC	Discipline & Extra Curricular Activity						50	
	Total	18	1	8			1000	