

Scheme of
UNDERGRADUATE DEGREE COURSE

B.Tech. V & VI Semester

Petroleum Engineering



Rajasthan Technical University, Kota

Effective from session: 2019 – 2020



RAJASTHAN TECHNICAL UNIVERSITY, KOTA

Teaching & Examination Scheme B.Tech.: Petroleum 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	5PE3-01	Natural Gas Engineering	2	0	0	2	20	80	100	2
2	PCC	5PE4-02	Drilling Technology-II	3	0	0	3	30	120	150	3
3		5PE4-03	Petroleum Production Engineering-II	3	0	0	3	30	120	150	3
4		5PE4-04	Well logging Technology	3	0	0	3	30	120	150	3
5		5PE4-05	Reservoir Engineering- II	3	0	0	3	30	120	150	3
6	PEC	5PE5-11	Core Elective-I: Any one Unit Operations in Petroleum Industry								
		5PE5-12	Drilling System Design	2	0	0	2	20	80	100	2
		5PE5-13	Transportation of Petroleum Products								
		5PE5-14	Understanding the Human Being Comprehensively- Human Aspirations and Its Fulfillment								
Sub Total				16	0	0		160	640	800	16
PRACTICAL & SESSIONAL											
7	PCC	5PE4-21	Heat Transfer Lab	0	0	4	3	60	40	100	2
8		5PE4-22	Petroleum Production Engineering Lab	0	0	2	2	30	20	50	1
9		5PE4-23	Reservoir Characterization Sessional	0	0	2	2	30	20	50	1
10	PSIT	5PE7-30	Industrial Training	0	0	1		75	50	125	2.5
11	SODE CA	5PE8-00	Social Outreach, Discipline & Extra Curricular Activities						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. : Petroleum Engineering 3rdYear – VI Semester

THEORY											
SN	Category	Course		Contact hrs/week			Marks				Cr
		Code	Title	L	T	P	Exm Hrs	IA	ETE	Total	
1	ESC	6PE3-01	Health Safety & Environment	2	0	0	2	20	80	100	2
2	PCC	6PE4-02	Artificial Lift techniques	3	0	0	3	30	120	150	3
3		6PE4-03	Well Test Analysis	3	0	0	3	30	120	150	3
4		6PE4-04	Offshore Drilling & Production Operations	3	0	0	3	30	120	150	3
5		6PE4-05	Geophysical Exploration Techniques	3	0	0	3	30	120	150	3
6	PEC	6PE5-11	Core Elective II: Any one Petroleum Refinery Engineering Process Dynamics and Control Polymer Science & Technology Values, Relationship & Ethical Human Conduct-For Happy & Harmonious Society	3	0	0	3	30	120	150	3
6PE5-12											
6PE5-13											
6PE5-14											
Sub Total				17	0	0		170	680	850	17
PRACTICAL & SESSIONAL											
7	PCC	6PE4-21	Petroleum Product Testing Lab	0	0	4	3	60	40	100	2
8		6PE4-22	Health Safety & Environment Lab	0	0	2	2	30	20	50	1
9		6PE4-23	Seismic Prospecting & Formation Evaluation Lab	0	0	2	2	30	20	50	1
10		6PE4-24	Separation Process Lab	0	0	4	3	60	40	100	2
11	SODE CA	6PE8-00	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

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