

Scheme of  
UNDERGRADUATE DEGREE COURSE

**B.Tech. V & VI Semester**

**Petroleum Engineering**



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

Office of Dean Academic Affairs  
Rajasthan Technical University, Kota



## Teaching & Examination Scheme B.Tech.: Petroleum Engineering 3<sup>rd</sup> 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	3	30	70	100	2
2	PCC	5PE4-02	Drilling Technology-II	3	0	0	3	30	70	100	3
3		5PE4-03	Petroleum Production Engineering-II	3	0	0	3	30	70	100	3
4		5PE4-04	Well logging Technology	3	0	0	3	30	70	100	3
5		5PE4-05	Reservoir Engineering-II	3	0	0	3	30	70	100	3
6	PEC	5PE5-11	<b>Core Elective-I: Any one</b> Unit Operations in Petroleum Industry								
		5PE5-12	Drilling System Design	2	0	0	3	30	70	100	2
		5PE5-13	Transportation of Petroleum Products								
<b>Sub Total</b>				<b>16</b>	<b>0</b>	<b>0</b>					<b>16</b>
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	60	40	100	1
9		5PE4-23	Reservoir Characterization Sessional	0	0	2	2	60	40	100	1
10	PSIT	5PE7-30	Industrial Training	0	0	1		60	40	100	2.5
11	SODE CA	5PE8-00	Social Outreach, Discipline & Extra Curricular Activities						100	100	0.5
<b>Sub- Total</b>				<b>0</b>	<b>0</b>	<b>9</b>					<b>7</b>
<b>TOTAL OF V SEMESTER</b>				<b>16</b>	<b>0</b>	<b>9</b>					<b>23</b>

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

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



## Teaching & Examination Scheme B.Tech. : Petroleum Engineering 3<sup>rd</sup>Year – VI Semester

<b>THEORY</b>											
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	3	30	70	<b>100</b>	<b>2</b>
2	PCC	6PE4-02	Artificial Lift techniques	3	0	0	3	30	70	<b>100</b>	<b>3</b>
3		6PE4-03	Well Test Analysis	3	0	0	3	30	70	<b>100</b>	<b>3</b>
4		6PE4-04	Offshore Drilling & Production Operations	3	0	0	3	30	70	<b>100</b>	<b>3</b>
5		6PE4-05	Geophysical Exploration Techniques	3	0	0	3	30	70	<b>100</b>	<b>3</b>
6	PEC	6PE5-11	<b>Core Elective II: Any one</b> Petroleum Refinery Engineering Process Dynamics and Control Polymer Science & Technology								
		6PE5-12		3	0	0	3	30	70	<b>100</b>	<b>3</b>
		6PE5-13									
<b>Sub Total</b>				<b>17</b>	<b>0</b>	<b>0</b>					<b>17</b>
<b>PRACTICAL &amp; SESSIONAL</b>											
7	PCC	6PE4-21	Petroleum Product Testing Lab	0	0	4	3	60	40	<b>100</b>	<b>2</b>
8		6PE4-22	Health Safety & Environment Lab	0	0	2	2	60	40	<b>100</b>	<b>1</b>
9		6PE4-23	Seismic Prospecting & Formation Evaluation Lab	0	0	2	2	60	40	<b>100</b>	<b>1</b>
10		6PE4-24	Separation Process Lab	0	0	4	3	60	40	<b>100</b>	<b>2</b>
11	SODE CA	6PE8-00	Social Outreach, Discipline & Extra Curricular Activities						100	<b>100</b>	<b>0.5</b>
<b>Sub- Total</b>				<b>0</b>	<b>0</b>	<b>12</b>					<b>6.5</b>
<b>TOTAL OF VI SEMESTER</b>				<b>17</b>	<b>0</b>	<b>12</b>					<b>23.5</b>

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