Encl- II

M. Tech. Petroleum Exploration - (2017-2020)

SEMESTER-I

Sr. No	Course Code	Course Name	L	T	P	Credit	Hrs/Wk	Exam			Exam (marks)
								MS	ES	IA	
1		Reservoir Sedimentology & Sequence Stratigraphy	3	0	0	3	3	Same Pattern as valid for PDPU			100
2		Structural Geology and Geomechanics	3	1	0	4	4				100
3		Petroleum Geology and Basin Analysis	3	0	0	3	3				100
3		Petroleum Exploration –I	3	0	0	3	3				100
4		Electrical Circuit theory	2	0	0	2	2				100
5		Elective -1	2	0	0	2	2				100
6		Reservoir Sedimentology-Practical	0	0	2	1	2				100
7		Structure Geology–Practical	0	0	2	1	2				100
7		Petroleum Geology and Exploration –Practical	0	0	2	1	2				100
8											
		Total				**20**	**23**				**1000**

Elective:

(1) Unconventional Hydrocarbon resource

(2) Application of Ichnology in Core analysis,

(3) Reservoir Thermodynamics

SEMESTER-II

Sr. No	Course Code	Course Name	L	T	P	Credit	Hrs/Wk	Exam			Exam (Marks)
								MS	ES	IA	
1		Applied Micropaleontology	3	0	0	3	3	Same Pattern as valid for PDPU			100
2		Petroleum Exploration –II	3	1	0	4	4				100
3		Advanced Formation Evaluation	3	1	0	4	4				100
4		Reservoir Engineering and Development Geology	3	1	0	4	4				100
5		Well site Geology and Drilling Technology	3	0	0	3	3				100
6		Elective-2	2	0	0	2	2				100
7		Numerical Methods and Geostatistics	2	1	0	3	3				100
8		Applied Micropaleontology –Practical	0	0	2	1	2				100
9		Geoscience & Hydrocarbon Exploration Field work	0	0	10	5	-				100
9											
10											
		Total				**29**	**25**				**900**

Elective-2: (1) Enhanced Oil Recovery-

(2) Health Safety and Environment in oil and Gas Sector-

(3) Application of modern instruments in Earth Science-

SEMESTER-III

Sr. No	Course Code	Course Name	L	T	P	Credit	Hrs/Wk	Exam			Exam (marks)
								MS	ES	IA	
1		Individual Geological/Exploration Field/Lab work	-	-	-	5	-	Same Pattern as valid for PDPU			100
2		Dissertation and viva-Voce	-	-	-	12					100
3		Topical Seminar	-	-	-	3					100
		Total				**20**					**300**

SEMESTER-IV

Sr. No	Course Code	Course Name	L	T	P	Credit	Hrs/Wk	Exam			Exam (marks)
								MS	ES	IA	
1		Individual Geological/Exploration Field/Lab work	-	-	-	5		Same Pattern as valid for PDPU			100
2		Dissertation	-	-	-	13					100
3		Dissertation defense and Viva voce	-	-	-	6					100
		Total				**24**					**300**