

Semester - 1

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
203104102	Elements of Civil Engineering	4	3	2	0	20	20	20	60	30	40	25	150
203105101	Fundamentals of Programming	4	2	4	0	20	20	20	60	30	40	25	150
203109102	Elements of Mechanical Engineering	4	3	2	0	20	20	20	60	30	40	25	150
203191101	Mathematics – I	5	3	0	2	20	-	20	60	-	40	-	100
203192105	Engineering Physics	4	3	2	0	20	20	20	60	30	40	25	150
203193101	Communication Skills - 1	2	0	0	2	-	-	100	-	-	40	-	100
	Total	23	14	10	4								800

Lect - Lecture, Tut - Tutorial, Lab - Lab, T - Theory, P - Practical, CE - CE, T - Theory, P - Practical
 Theory Passing % : 40 Practical Passing % : 50

Semester - 2

Code	Subject	Credit	Lect	Lab	Tut	Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
						T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
203100101	Workshop	2	0	4	0	-	40	-	-	60	-	50	100
203104103	Environmental Science	2	2	0	0	20	-	20	60	-	40	-	100
203106101	Basic Electrical Engineering	5	4	2	0	20	20	20	60	30	40	25	150
203109101	Engineering Graphics	4	2	4	0	20	20	20	60	30	40	25	150
203120101	Chemistry	4	3	2	0	20	20	20	60	30	40	25	150
203191151	Mathematics-II	5	3	0	2	20	-	20	60	-	40	-	100
203193151	Communication Skills - 2	2	0	0	2	-	-	100	-	-	40	-	100
	Total	24	14	12	4								850

Lect - Lecture, Tut - Tutorial, Lab - Lab, T - Theory, P - Practical, CE - CE, T - Theory, P - Practical
 Theory Passing % : 40 Practical Passing % : 50

Semester - 3

Code	Subject	Credit	Lect	Lab	Tut	Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
						T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
203120201	Introduction to Petroleum Geology	3	3	-	0	20	-	20	60	-	40	-	100
203120202	Drilling Engineering-1 Lab	1	-	2	-	-	20	-	-	30	-	25	50
203120203	Drilling Engineering-1	4	3	-	1	20	-	20	60	-	40	-	100
203120204	Fluid Flow Operations Lab	1	-	2	-	-	20	-	-	30	-	25	50
203120205	Fluid Flow Operations	3	3	-	-	20	-	20	60	-	40	-	100
203120207	Petroleum Exploration	3	3	-	-	20	-	20	60	-	40	-	100
203120209	Thermodynamics	4	3	-	1	20	-	20	60	-	40	-	100
203191201	Transforms and PDE	5	3	0	2	20	-	20	60	-	40	-	100
203193201	Professional Communication Skills-1	2	1	0	1	-	-	100	-	-	40	-	100
	Total	26	19	4	5								800

Lect - Lecture, Tut - Tutorial, Lab - Lab, T - Theory, P - Practical, CE - CE, T - Theory, P - Practical
Theory Passing % : 40 Practical Passing % : 50

Semester - 4

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
203120251	Heat and Mass Transfer	3	3	-	-	20	-	20	60	-	40	-	100
203120252	Heat and Mass Transfer laboratory	1	-	2	-	-	20	-	-	30	-	25	50
203120253	Drilling Engineering-II	3	3	-	-	20	-	20	60	-	40	-	100
203120255	Elements of Reservoir Engineering	4	3	-	1	20	-	20	60	-	40	-	100
203120256	Elements of Reservoir Engineering lab	1	-	2	-	-	20	-	-	30	-	25	50
203120257	Production Operations-1	3	3	-	-	20	-	20	60	-	40	-	100
203191251	Probability, Statistics and Numerical Methods	5	3	0	2	20	-	20	60	-	40	-	100
203193251	Professional Communication Skills-2	2	1	0	1	-	-	100	0	-	40	-	100
	Total	22	16	4	4								700

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical
Theory Passing % : 40 Practical Passing % : 50

Semester - 5 Open Elective 01

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
203101346	Basic Aircraft Science	2	2	0	0	20	-	20	60	-	40	-	100
203104346	Disaster Preparedness and Planning	2	2	0	0	20	-	20	60	-	40	-	100
203105346	Cyber Security	2	2	0	0	20	-	20	60	-	40	-	100
203107346	Fundamentals of Communication Engineering	2	2	0	0	20	-	20	60	-	40	-	100
203108346	Internet of Things	2	2	0	0	20	-	20	60	-	40	-	100
203109346	Renewable Energy Sources	2	2	0	0	20	-	20	60	-	40	-	100

Semester - 5

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
203120301	Applied Petroleum Reservoir Engineering	4	3	0	1	20	-	20	60	-	40	-	100
203120302	Petroleum Geochemistry Lab	1	-	2	-	-	20	-	-	30	-	25	50
203120303	Petroleum Geochemistry	3	3	-	-	20	-	20	60	-	40	-	100
203120305	Natural Gas Engineering	3	3	-	-	20	-	20	60	-	40	-	100
203120307	Process Dynamics and Control	2	2	-	-	20	-	20	60	-	40	-	100
203120309	Offshore Engineering	3	3	-	-	20	-	20	60	-	40	-	100
	Open Elective 01 (Compulsory Subjects :1) -	2	2	0	0	-	-	-	-	-	-	-	100

Semester - 5

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
	PEC 01 (Compulsory Subjects :1) -	3	3	-	-	-	-	-	-	-	-	-	100
	Total	21	19	2	1								750

Semester - 5 PEC 01

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
203120331	Oil and Gas Field Development and Planning	3	3	-	-	20	-	20	60	-	40	-	100
203120333	Sedimentary and Petroleum Geology	3	3	-	-	20	-	20	60	-	40	-	100
203120335	Petroleum Economics	3	3	-	-	20	-	20	60	-	40	-	100

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical
Theory Passing % : 40 Practical Passing % : 50

Semester - 6 Open Elective 02

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
203100351	Life Science	2	2	0	0	60	-	40	-	-	40	-	100
203100352	Biology for Engineers	2	2	0	0	60	-	40	-	-	40	-	100
203100353	Engineering Geology	2	2	0	0	60	-	40	-	-	40	-	100
203100354	Landscape Planning and Design	2	2	0	0	60	-	40	-	-	40	-	100
203100355	Fundamentals of Management	2	2	0	0	60	-	40	-	-	40	-	100
203100356	Corporate Social Responsibility	2	2	0	0	60	-	40	-	-	40	-	100
203100357	Programme Management & Entrepreneurship	2	2	0	0	60	-	40	-	-	40	-	100
203100358	Constitution of India	2	2	0	0	60	-	40	-	-	40	-	100
203100359	Cyber Law & Ethics	2	2	0	0	60	-	40	-	-	40	-	100

Semester - 6

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
203120351	Surface Production Operations	3	3	-	-	20	-	20	60	-	40	-	100
203120353	Formation Evaluation	3	3	-	-	20	-	20	60	-	40	-	100
203120355	Oil and Gas Well Testing	3	3	-	-	20	-	20	60	-	40	-	100
203120357	Seminar	2	2	-	-	-	-	-	-	60	-	50	100
	Open Elective 02 (Compulsory Subjects :1) -	2	2	0	0	-	-	-	-	-	-	-	100

Semester - 6

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
	Open Elective 03 (Compulsory Subjects :1) -	2	1	0	1	-	-	-	-	-	-	-	100
	PEC 02 (Compulsory Subjects :1) -	3	3	-	-	-	-	-	-	-	-	-	100
	PEC 02 (Compulsory Subjects :1) -	3	3	0	0	-	-	-	-	-	-	-	100
	Total	21	20	0	1								800

Semester - 6 PEC 02

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
203120381	Energy Technology and Engineering	3	3	0	0	20	-	20	60	-	40	-	100
203120383	Renewable Energy	3	3	-	-	20	-	20	60	-	40	-	100
203120385	Biomass Conversion and Utilization	3	3	-	-	20	-	20	60	-	40	-	100

Semester - 6 Open Elective 03

Code	Subject	Credit	Lect	Lab	Tut	Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
						T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
203193351	Advanced Programming and Placement Essentials (All Branches Except CSE/IT/ICT)	2	1	0	1	-	-	100	-	-	40	-	100

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Theory Passing % : 40 Practical Passing % : 50

Semester - 7

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
203120401	Petroleum Engineering Design	3	3	-	-	20	-	20	60	-	40	-	100
203120403	Enhanced Oil Recovery Techniques	3	3	-	-	20	-	20	60	-	40	-	100
203120404	Project-I	6	0	0	0	-	12	-	-	60	-	50	100
	PEC 03 (Compulsory Subjects :1) -	3	3	-	-	-	-	-	-	-	-	-	100
	Total	15	9	0	0								400

Semester - 7 PEC 03

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
203120431	Pipeline Engineering	3	3	-	-	20	-	20	60	-	40	-	100
203120433	Transportation and Marketing of Petroleum and Petroleum Products	3	3	-	-	20	-	20	60	-	40	-	100
203120435	Well Performance and Intervention	3	3	-	-	20	-	20	60	-	40	-	100

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical
Theory Passing % : 40 Practical Passing % : 50

Semester - 8

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
203120451	Unconventional Energy Recourses	3	3	-	-	20	-	20	60	-	40	-	100
203120455	Project-II	8	-	30	-	-	50	-	-	100	-	100	200
	PEC 04 (Compulsory Subjects :1) -	3	3	-	-	-	-	-	-	-	-	-	100
	Total	14	6	30									400

Semester - 8 PEC 04

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
203120481	Hydrocarbon Contracts and Asset Management	3	3	-	-	20	-	20	60	-	40	-	100
203120483	Reservoir Modelling and Simulation	3	3	-	-	20	-	20	60	-	40	-	100
203120485	Health , Safety and Environment in Petroleum Industry	3	3	-	-	20	-	20	60	-	40	-	100

Lect - Lecture, Tut - Tutorial, Lab - Lab, T - Theory, P - Practical, CE - CE, T - Theory, P - Practical
Theory Passing % : 40 Practical Passing % : 50