Name:

Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, May 2019

Course: B.Tech CSE OGI

Program: Upstream Petroleum: Exploration and Production

Semester: IV

Time 03 hrs.

Course Code: CSOG 2002 Max. Marks: 100

SECTION A			
S. No.		Marks	CO
Q 1	Recall with proper diagram different types of Stratigraphic traps	4	CO1
Q 2	Illustrate the concept of Prognostication in well planning	4	CO3
Q 3	Summarize Dyna Drilling	4	CO3
Q 4	Illustrate the Sniffer Surveys used during petroleum exploration	4	CO2
Q 5	Define the Social and Cultural Impact of E& P.	4	CO5
	SECTION B		
Q 6	Compare different type offshore rigs used while drilling. list their merits and demerits	10	CO3
Q 7	Investigate the importance of drilling fluid and explain different types of Drilling Fluids	10	CO3
Q 8	What are the advantages and applications of Production logging? Under which stages, production logs are used. Or What are the different logs used in the detection of fractures in the rocks?	10	CO4
Q 9	Define the terms Weighted average cost of capital and Net Present Value	10	CO4
	SECTION-C		
Q 10	Distinguish different phase undertaken to drill a) vertical well b) Offshore drilling Or a) What do you understand by fracking? b) List various different chemical used as catalysis in fracking? c) What are the challenges faced while performing fracking?	20	CO2,C O3