

Name:	 UPES UNIVERSITY WITH A PURPOSE
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2019

Course: Fundamentals of Oil and Gas Business
Program: B.Tech. CSE- OGI
Course Code: CSOG2001

Semester: 1st
Time 03 hrs.
Max. Marks: 100

Instructions:

SECTION A

S. No.	Question	Marks	CO
Q 1	Discuss the importance of sedimentary basins in the field of oil and gas	4	CO2
Q2	What are the factors controlling occurrence of hydrocarbons	4	CO1, CO3
Q3	Discuss off-shore drilling?	4	CO3
Q4	What is an intelligent well?	4	CO1
Q5	Analyze Auger boring in for a field in assam.	4	CO1

SECTION B

Q6	What is source rock? Discuss its classification?	10	CO1,C O3
Q7	What are the various types of well's that can be drilled?	10	CO1,C O3
Q8	Discuss fracturing and its techniques?	10	CO3
Q9	What is migration? Discuss primary and secondary migration? <p style="text-align: center;">OR</p> Discuss an investment scenario for an investment in an oil field which has recently been discovered in Iran estimated reserves are around for \$1b.	10	CO1,C O3

SECTION-C

Q 10	Analyze are the issues & advantages related to CBM?	20	CO5
Q11	Critically analyze the decline analysis? <p style="text-align: center;">OR</p> Discuss the following: <ul style="list-style-type: none">a. Payout riskb. Decision making under uncertaintyc. Probabilistic modeld. Construction of cumulative probability	20	CO2