

Name:

Enrolment No:



UPES

End Semester Examination, December 2023

Course: Oil & Gas Marketing and Resource Management
Program: B.Tech. (APE-US)
Course Code: CHCE4007P

Semester : VII
Time : 3 Hrs.
Max. Marks : 100

Instructions:

1. All questions are compulsory.
2. Assume any missing data, if any

SECTION - A (5Qx4M= 20 Marks)			
S. No.		Marks	CO
Q1	Enumerate the salient features of India's discovered small field (DSF) bid rounds.	4	CO1
Q2	List different forms of natural gas.	4	CO2
Q3	Explain four main refining processes in brief.	4	CO4
Q4	Describe the concept of custody transfer.	4	CO4
Q5	Define Net Present Value (NPV) using example	4	CO6
SECTION - B (4Qx10M= 40 Marks)			
Q6	Elaborate on the need to have a petroleum resource management system.	10	CO1
Q7	Mention the major steps taken by the government in making India a gas-based economy.	10	CO2
Q8	Investigate the trap mechanism and gas production from the CBM reservoir.	10	CO3
Q9	Discuss the following attributes of the flow measurement devices with examples. a) Accuracy b) Linearity	10	CO4
SECTION - C (2Qx20M= 40 Marks)			
Q10	Summarize the characteristics of the following regulating organizations. a) OPEC b) PNGRB c) PPAC d) CHT	20	CO5

Q11	Calculate the following, for the cash flows given below: if the interest rate is 15 % per year, compounded annually.						20	CO6	
	End of Year	0	1	2	3	4			5
	Cash Flows in \$1,000	-6	4	2	-3	-2			3
	a) NPV b) IRR c) Payback Period d) PI								
