Name:

Enrolment No:



UPES

End Semester Examination, May 2023

Course: Oil Field Asset Management Program: B. Tech. APE UPSTREAM

Course Code: CHCE 4004P

Semester: VIII
Time : 03 hrs.

Max. Marks: 100

Instructions: All questions are compulsory.

SECTION A (40x5M=20Marks)

	(4Qx5W=2UMarks)			
S. No.		Marks	CO	
Q1.	State the objectives and benefits of asset management.	5	CO1	
Q2.	Discuss the roles of an asset manager.	5 CO1		
Q3.	Describe the relationship between post auditing and company's growth.	5	CO2	
Q4.	 a) Discuss Probable Possible, Proved Reserves, and Prospective Resources. b) Given the following data of an oil field, calculate the Initial Oil in Place. Area = 24,650 acres, Net productive thickness = 54 ft, Porosity = 20%, Average S_{wi} = 35%, B_o at p_i = 1.42 bbl/STB. 	5	СО3	
	SECTION B (4Qx10M= 40 Marks)			
Q5.	Discuss asset valuation along with its methods and importance.	10	CO2	
Q6.	Describe the front-end loading tool used for asset management process in oil and gas industry.	10	CO3	
Q7.	Explain hydrocarbon exploration licensing policy (HELP) and how it is different from NELP.	10	CO3	
Q8.	Explain in depth the objectives of energy policy and the tools that are used with examples.	10	CO3	

SECTION-C (2Qx20M=40 Marks)							
Q9.	Elaborate the various phosphare asset mana subgroup to be considered.	20	CO4				
Q10.	b) A company has A and B. The 1,35,000 and Rs. no scrap value a opportunity cost incomes are as u Year 1 2 3 4 5 You are required i) Discount	to make a choice be initial capital outla 2,40,000 respective at the end of the lift of capital of the co	Project B 60000 84,000 96,000 1,02,000 ch Project A and B etween two projects, namely of two projects are ply for A and B. there will fee of both the projects. The annual project B 60000 84,000 90,000 ch Project A and B	Rs. l be	CO4		