



Name:

Enrolment No:

UPES

End Semester Examination, December 2024

Course: Petroeconomics & Crude Oil Planning

Program: MBA OG

Course Code: OGOG8008

Semester: III

Time : 03 hrs.

Max. Marks: 100

Instructions: Think before attempting the questions

SECTION A
10Qx5M=50Marks

S. No.		Marks	CO
Q 1	Each question carries 10 marks. Attempt only 5	50	CO1, CO2, CO3, CO4
A)	Analyze the impact of fluctuating crude oil prices on emerging economies that are net oil importers versus exporters.	10	
B)	If crude oil prices drop significantly, how should oil companies adjust their strategies? Consider operational, financial, and market perspectives.	10	
C)	What factors determine the profitability of a crude oil refinery, and how do refinery complexity and configuration affect its economics? Also, discuss the role of process optimization and advanced technologies (e.g., automation, AI) in improving refinery efficiency.	10	
D)	How is the global energy transition shaping the role of natural gas as a "bridge fuel" between fossil fuels and renewables? Evaluate its long-term sustainability.	10	
E)	Evaluate the impact of U.S. shale production on the global balance of power in energy markets.	10	
F)	What strategies can oil and gas companies adopt to remain competitive in a world aiming for net-zero carbon emissions?	10	

SECTION B
Case study= 50 Marks

Q1	How is data a source of the value delivered by SLB's innovations in Automated Directional Drilling (ADD)?	10	CO1
Q2	How Should SLB manage access to the data required for enabling ADD as a product or service	10	CO2
Q3	What are possible business models for delivering ADD as a product or service?	15	CO3, CO4
Q4	Looking forward, what possibilities do you see for growing ADD in scale and/or scope and how might you do so?	15	CO3, CO4