Name: Enrolment No:



Semester: III

Max. Marks: 100

Duration: 3 Hours

UNIVERSITY OF PETROLEUM & ENERGY STUDIES

End Semester Examination – December 2023

Program: MBA OG Subject/Course: Gas Operations & Marketing

Course Code: OGET8017

 $\label{eq:Keep your answer short and to the point.}$

Long answer with zero relationship questions will lead to time wastage. Focus on doables.

SECTION A

1. Each question carries 5 marks

Q.No		Marks	COs
	Section A		
1	Discuss the natural gas pricing formula implemented for promoting deepwater and ultradeepwater E&P activities in India.	5	1
2	Describe the key emerging trends in global LNG business.	5	2
3	How does HELP aim to attract domestic and foreign investment in the Indian hydrocarbon sector, and what incentives are provided to encourage exploration and production activities?	5	2
4	Explain the concept of EEE model. Why it is important to maintain balance among all the parameters?	5	1
5	Discuss the challenges related to cross-border natural gas pipelines and trade with neighboring countries and the potential for regional gas markets.	5	1
6	Analyze the role of digitalization and data analytics in optimizing gas supply chains and market operations.	5	1
	Section B		
	h question will carry 10 marks ruction: Write short/brief notes		
1	How do economic and market factors, including natural gas prices, impact the adoption and use of natural gas in the energy transition?	10	3
2	Analyze the project economics of CGD projects in India? Highlight the key components of CAPEX and OPEX as well.	10	2
3	How does the Israel-Hamas conflict influence the role of energy resources in regional politics and international relations?	10	3
4	How does FLNG technology contribute to energy security and diversification of natural gas supply sources for importing countries?	10	2

5	What are the implications of the recent shift from long-term contracts to more flexible and short-term contracts in the LNG market, and how does this affect India's LNG pricing? OR Why is there a growing interest in establishing a gas trading hub in Asia, and what are the factors driving this development?	10	4		
Section C					
1) Instruction: Write a long answer					
	Explore the challenges and opportunities for increasing the share of natural gas in India's energy consumption, particularly in terms of reducing emissions and enhancing energy security. OR Anlayze the gas pricing reforms introduced post 2014 in India.	20	4		