

Name:  
Enrolment No:



**UNIVERSITY OF PETROLEUM & ENERGY STUDIES**  
**End Semester Examination – December 2021**

**Program: BTech APE (Gas)**  
**Subject/Course: Understanding of Natural Gas Business**  
**Course Code: CHGS4003P**

**Semester: VII**  
**Max. Marks: 100**  
**Duration: 3 Hours**

**SECTION A**

1. Attempt all the questions and each question carries 5 marks.

Q.No		Marks	COs
	Section A		
1	What is fracking?	5	CO 1
2	Write the three LNG trends for 2021.	5	CO 1
3	Explain the LNG pricing in India.	5	CO 2
4	Will HELP deliver value for India's upstream sector? Support your answer with facts.	5	CO 2
5	Why India is keen to embrace natural gas?	5	CO 3
6	Explain the types of underground natural gas storages.	5	CO 1

**Section B**

1. Each question will carry 10 marks  
2. Instruction: Write short/brief notes

1	Describe the factors restricting the natural gas demand in India across different gas-consuming industries.	10	CO 2
2	Analyze the CGD business growth drivers and challenges in India.	10	CO 2
3	Illustrate the features of various petroleum contracts.	10	CO 2
4	Analyze the factors affected the natural gas market performance in 2020.	10	CO 3
5	What is gas trading hub? Analyze the India's potential as gas trading hub for Asia.  OR Explain the natural gas pricing in Asia and importance of establishing gas trading in the region.	10	CO 1

**Section C**

1) Instruction: Write a long answer			
1	What is shale resources. Explain the implication of shale revolution on the global oil and gas market and environment. OR Explain the concept of EEE model. Why it is important to maintain balance among all the parameters?	20	CO 3  CO 3