



Name:

Enrolment No:

UPES

End Semester Examination, May 2023

Course: Gas Fundamentals & Marketing

Program: BBA OGM

Course Code: OGOG 2005

Semester: IV

Time : 03 hrs.

Max. Marks: 100

Instructions:

SECTION A
10Qx2M=20Marks

S. No.		Marks	CO
Q 1	Attempt all the questions		
1	At what temperature is natural gas stored as LNG?: a) 260°C b) -260°C c) 161°C d) -161°C	2	CO1
2	When converted to LNG, the volume of the gas is reduced a) 500 times b) 600 times c) 700 times d) 800 times	2	CO1
3	Liquefied petroleum gas (LPG) contains mainly a) Methane and propane b) Ethane and propane c) Butane and propane d) Methane and propane	2	CO1
4	KG D6 field is operated by _____: a) RIL b) ONGC c) Oil India d) Essar	2	CO1
5	India has _____ LNG terminal operating in India a) 3 b) 4 c) 5 d) 6	2	CO1
6	During gas sweetening, which of the following impurities is not removed? a. Hydrogen sulphide b. Carbon dioxide c. Carbon monoxide	2	CO1

	d. Nitrogen oxide		
7	Removal of mercury from gas before transportation is very important because mercury a. Damage steel pipes b. Carcinogenic c. Forms ice during cryogenic process d. None of the above	2	CO1
8	Spilled LNG can crack a steel plate like hot water hitting frozen glass. a. True b. False	2	CO1
9	CNG stands for a. Compressed natural gas b. Condensed natural gas c. Critical natural gas d. City natural gas	2	CO1
10	The number of CGD licensing round conducted by PNGRB a. 8 b. 9 c. 10 d. 11	2	CO1
SECTION B 4Qx5M= 20 Marks			
Q1	Why it is important to promote natural gas in India?	5	CO2
Q2	Explain natural gas processing.	5	CO2
Q3	Provide insights on the global gas market development.	5	CO2
Q4	Describe the various method of natural gas storage.	5	CO2
SECTION-C 3Qx10M=30 Marks			
Q 1	Analyze the various types of contracts used in the petroleum industry.	10	CO3
Q2	Explain LNG project economics.	10	CO3
Q3	Explain the natural gas pricing mechanism implemented in 2014.	10	CO2
SECTION-D 2Qx15M= 30 Marks			
Q 1	What is gas trading hub? Analyze the India's potential as gas trading hub for Asia.	15	CO3
Q2	What is shale resources. Explain the implication of shale revolution on the global oil and gas market and environment.	15	CO3