

Name:
Enrolment No:



UNIVERSITY OF PETROLEUM & ENERGY STUDIES
Semester Examination – December 2022

Program: BBA (OGM)
Subject/Course: Understanding oil and gas business
Course Code: OGOG 1001

Semester: III
Max. Marks: 100
Duration: 3 Hours

SECTION A

1. Each question carries 5 marks

Q.No		Marks	COs
	Section A		
1	LPG is made of : a. Propane and butane b. Ethane and propane c. Ethane and butane d. Ethane, propane and butane	2	CO 1
2	FPSO is preferred for use in: a. Onshore b. Marshy Islands c. Shallow water d. Deepwater	2	CO 1
3	Which of the following is used as feedstock to make petrochemicals: a. Naphtha b. Kerosene c. LPG d. Ethane	2	CO 1
4	Naphthenes are a. Hydrocarbons b. Straight chain hydrocarbons c. Non-hydrocarbons d. Hydrocarbons with cyclic structure	2	CO 1
5	Which of these are not petrochemical products? a. Polythene b. Synthetic Rubber c. Diesel d. Ethane	2	CO 1
6	The major oil producing companies in India is: a. Reliance b. ONGC	2	CO 1

	c. BPCL d. IOCL		
7	LNG is transported and stored in liquid form at below _____°C.: a. -141 b. -151 c. -161 d. -171	2	CO 1
8	The highest refining capacity in India is with: a. MRPL b. IOCL c. BPCL d. Reliance	2	CO 1
9	The largest oil refinery in India is owned by: a. IOCL b. HPCL c. Essar d. Reliance	2	CO 1
10	Cap rock has a. High Porosity b. High Permeability c. Low Porosity d. Low Permeability	2	CO 1
Section B			
1. Each question will carry 5 marks 2. Instruction: Write short/brief notes			
1	What is gas sweetening? Explain.	5	CO 2
2	What are the objectives of gas processing? Name the various gas treatment or purification processes.	5	CO 2
3	What do you understand by an LNG Cycle? Describe with a schematic diagram.	5	CO 2
4	What is a fire triangle? Give example from an actual plant.	5	CO 4
Section C			
Instruction: Write a long answer			
1	Describe the different fiscal regimes used in oil and gas industry	10	CO 3
2	What are the different mode of oil and gas transportation? Write a brief note on each.	10	CO 3
3	What is SCADA and pigging? What are the purposes of various type of pigging operations?	10	CO 4
Section D			
Instruction: Write short/brief notes			
1	What is HAZID? Why it is used?	15	CO 4
2	Write a note on the differences in the refineries in the 60s and the modern refineries.	15	CO 3