

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	Drill bit in a rig is cooled by circulating a. Water b. Oil c. Mud d. Water & mud	2	CO 1
2	VLCC stands for a. Very Large Container Carrier b. Very Large Crude Carrier c. Very Low Crude Container d. Very Low Crude Compartment	2	CO 1
3	FPSO a. Floating Production Storage and Offloading b. Floating Petroleum Storage and Outsourcing c. Floating Petroleum Store and Offloading d. Floating Production Storage and Offshore	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	Jack up rig is used for a. Onshore oil production b. Offshore drilling	2	CO 1

	c. Offshore oil production d. To jack up a platform		
7	Total oil production in India in terms of Million Tons per year is between: a. 10-25 b. 20-25 c. 25-35 d. 35-40	2	CO 1
8	Sucker rod pumps are used for a. Gas production b. Oil production c. Offshore fields d. Low pressure wells	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
<b>Section B</b>			
1. Each question will carry 5 marks 2. Instruction: Write short/brief notes			
1	Give brief description for water injection process and In-situ combustion process.	5	CO 1
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	Write a brief note on types of refinery processes.	5	CO 2
<b>Section C</b>			
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	CO4
<b>Section D</b>			
Instruction: Write short/brief notes			
1	What is HAZOP? For what purpose it is used? Briefly describe the technique.	15	CO 4

2	What is polymerisation? What are copolymers? Describe the process to make PVC.	15	CO 3
---	--	----	------