

Name:
Enrolment No:



UNIVERSITY OF PETROLEUM & ENERGY STUDIES
Online End Semester Examination – December 2020

Program: BBA OG
Subject/Course: Understanding Oil and Gas Business
Course Code: OGOG1001

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

SECTION A

1. Each question carries 5 marks

Q.No		Marks	COs
	Section A		
1	<ul style="list-style-type: none">Crude-oil volume is measured in _____One barrel holds _____ gallons and _____ litersOne gallons holds _____ litersMNOE means _____	5	1
2	<ul style="list-style-type: none">Total number of chemical components in crude oil are a) 100 b) 200 c) 400 d) 500LPG is made of a) Propane and Ethane b) Propane and Butane c) Butane d) PentaneThe largest constituent of natural gas is a) Methane b) Ethane c) Propane d) ButaneWhich is the heaviest crude oil of the four a) 18 API b) 25 API c) 30 API d) 35 APIMTOE means a) Million tons of oil export c) Million tons of oil equivalent b) Metric Tons of oil Equivalent d) Metric ton of oil export	5	1
3	Name two upstream, two downstream and one midstream companies in India	5	4
4	The original OPEC members include _____, _____, _____, _____, and _____	5	4
5	Name five activities which are part of exploration and production activities.	5	1,2
6	Expand the following: 1) CNG 2) NGL 3) LNG	5	1,2

	4) LPG 5) FPSO		
Section B			
1. Each question will carry 10 marks 2. Instruction: Write short/brief notes			
1	What is SCADA? Describe its functions in the pipeline operations.	10	3
2	Describe how oil is formed and how it migrated and got trapped in certain locations below the surface of the earth.	10	2
3	Give a brief description of the water injection process and In-situ combustion process.	10	2
4	What do you understand by an LNG Cycle? Provide a brief description of each stage.	10	2
5	What do you understand by the thermal cracking of petroleum? OR What is a fire triangle? Give example from an actual plant.	10	2 3
Section C			
1) Instruction: Write a long answer 2) Attempt any one question			
1	What is HAZOP? For what purpose it is used? Briefly describe the technique. OR Explain the different types of pipelines. What factors are taken into account in selecting the pipeline route?	20	3 2

ANSWERS