


Name:	 UPES UNIVERSITY WITH A PURPOSE
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, December 2019

Course: Understanding Energy Value Chain-I (Oil, Gas & Renewable)

Semester: I

Program: MBA ET

Time: 03 Hours

Course code: OGET 7001

Max. Marks: 100

Instructions:

SECTION A

		Marks	CO
Q1	The fluid that comes out of the well in an oilfield or gas field is called	2	1
Q2	When huge quantity of recoverable hydrocarbon is trapped in rock formations below the earth, it is called	2	1
Q3 is formed when natural gas is compressed to high pressures for use as automotive fuel or for transportation in small quantities.	2	1
Q4	Natural gas is gaseous at any temperature over °C.	2	1
Q5 signifies ignition quality of the gasoline in automobile engines.	2	1
Q6	For bulk movement of hydrocarbon is often the most economical way of transportation.	2	1
Q7	LNG is transported and stored in liquid form at below°C.	2	1
Q8 are defined as having the potential to cause harm, including ill health and injury, damage to property, products or the environment, production losses or increased liabilities.	2	1
Q9	Major consumption of Natural Gas in India will be in the and sectors.	2	1
Q10	India aims to have GW renewable capacity by 2022	2	1

SECTION B

Q1	Describe how oil is formed and how it migrated and got trapped in certain locations below the surface of the earth.	5	3
Q2	Why world need crude oil benchmark?	5	3
Q3	What is HAZOP? For what purpose it is used? Briefly describe the technique.	5	2
Q4	Evaluate the importance of portfolio optimization for upstream companies.	5	2

SECTION-C

Q1	Explain the different unconventional oil and gas resources.	10	2
Q2	What is the feedstock for petrochemical production and how is the feedstock generated?	10	5
Q3	Pipeline is the most preferred option to transport oil, gas or products in bulk. Why?	10	4

SECTION-D (Attempt any two)

Q1	Analyze the role of CGD segment in Indian natural gas market growth.	15	5
Q2	Analyze the role OPEC in current market dynamics.	15	4
Q3	What are the various phases in plant life cycle where IT application is commonly used?	15	4