

Name:  
Enrolment No:



**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**  
**End Semester Examination, December 2018**

**Course: Introductory Oil and Gas Economics**  
**Programme: BA EE**  
**Time: 03 hrs.**  
**Instructions:**

**Semester: III**  
**CC ECON 2004**  
**Max. Marks: 100**

**SECTION A**

S. No.	Tick the correct answer	Marks	CO
Q 1	The most of important component of natural gas is: a. Methane b. Ethane c. Propane d. Butane	2	2
Q2	What is API? a. American Petrol Institute b. American Petroleum Institute c. American Petroleum Institution d. America Petroleum Institute	2	2
Q3	Crude oil price during the current year has been in the range: a. US\$50-US\$60 b. US\$60-US\$70 c. US\$70-US\$80 d. US\$80-US\$90	2	3
Q4	India has _____ LNG terminals operating in India: a. 3 b. 4 c. 5 d. 6	2	3
Q5	Total number of chemical components in Crude oil is a. 100 b. 250 c. 350 d. 500	2	2
Q6	What is the refining capacity of India? a. 230 MMTPA b. 235 MMTPA c. 247.6 MMTPA d. 250 MMTPA	2	3
Q7	Identify the countries, which are not members of OPEC:	2	3

	a. Russia b. Iran c. Iraq d. Angola		
Q8	The number refineries operating in India are. a. 18 b. 21 c. 23 d. 25	2	3
Q9	The major oil producing company in India is a. Reliance b. ONGC c. Essar d. OIL	2	3
Q10	Major oil and gas fields in India lie in a. UP b. Gujarat c. Assam d. Andhra Pradesh	2	3
<b>SECTION B</b>			
Q 1	Explain the importance of midstream operations in oil and gas value chain.	5	2
Q2	Analyze the impact of crude pricing volatility on upstream operations.	5	1,2
Q3	What is LNG? Explains its importance for the growth of natural gas market.	5	2
Q4	Describe profit petroleum and cost recovery.	5	1,3
<b>SECTION-C</b>			
Q 1	Analyze the role of oil and gas in economic development.	10	1
Q2	Analyze the different types of E&P contracts used in the oil and gas industry	10	1,2
Q3	Why economic evaluation is important before commencing project? Elaborate the key indicators to check project viability?	10	1
<b>SECTION-D</b>			
Q1	Analyze global oil and gas market by highlighting the top producer, consumer and importers	15	2
Q2	Explain the differences between HELP and NELP. Also, elaborate the difference between the PSC and RSC.	15	3

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**SECTION A**

S. No.	Tick the correct answer	Marks	CO
Q 1	Which is the heaviest crude of the three: a. 45 API b. 40 API c. 25 API d. 15 API	2	2
Q2	What is API? a. American Petrol Institute b. American Petroleum Institute c. American Petroleum Institution d. America Petroleum Institute	2	2
Q3	Which one is the global crude oil benchmark: a. Mumbai High b. Brent c. Bonny Light d. Dubai	2	3
Q4	LPG is made of : a. Propane and butane b. Ethane and propane c. Ethane and butane d. Ethane, propane and butane	2	3
Q5	Total number of chemical components in Crude oil is a. 100 b. 250 c. 350 d. 500	2	2
Q6	What is the refining capacity of India? a. 230 MMTPA b. 235 MMTPA c. 247.6 MMTPA d. 250 MMTPA	2	3
Q7	Identify the countries, which are not members of OPEC: a. Russia b. Iran	2	3

	c. Iraq d. Angola		
Q8	The highest refining capacity in India is with: a. MRPL b. IOCL c. BPCL d. Reliance	2	3
Q9	The major oil producing company in India is a. Reliance b. ONGC c. Essar d. OIL	2	3
Q10	Major oil and gas fields in India lie in a. UP b. Gujarat c. Assam d. Andhra Pradesh	2	3
<b>SECTION B</b>			
Q 1	Explain the importance of downstream operations in oil and gas value chain.	5	2
Q2	Analyze the new gas pricing mechanism adopted in India.	5	3
Q3	What is LNG? Explain it's important for the growth of natural gas market?	5	2
Q4	Describe the common risks associated with petroleum economics.	5	1
<b>SECTION-C</b>			
Q 1	Analyze the role of environmental policies on changing primary energy mix.	10	1
Q2	Describe NPV and IRR. Analyze their importance for energy producers?	10	1
Q3	Explain the relationship between crude oil prices and costs in oil and gas industry	10	2
<b>SECTION-D</b>			
Q1	Analyze global oil and gas market by highlighting the top producer, consumer and importers	15	2
Q2	Explain the differences between HELP and NELP. Also, elaborate the difference between the PSC and RSC.	15	1,3