

Name:  
Enrolment No:



**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**  
**End-Semester Examination, May, 2020**

**Course: Crude Oil and Petroleum Product Market**

**Semester: VI**

**Program: B A Energy Economics**

**Course code: ECON 3008**

**Instructions: Do as directed**

**Time: 3 hrs**

**Max. Marks: 100**

**Section – A (10 X 2= 20 marks)**

**Write short notes on the following: CO 1,3,4**

1. Polymerization
2. Components of LPG
3. Pigging
4. Well fluid
5. Three phase separation
6. Naphtha
7. Crude oil benchmarks
8. Sweet gas
9. Mercaptan
10. Produced water treatment

**Section – B (3 X 10= 30 Marks)**

**Answer the following questions in detail:**

1. Crude oil is a volatile commodity. Explain the factors responsible for such spikes in the crude oil market. **CO 3**
2. Upstream, Midstream and Downstream are the terms which are very frequently used in the petroleum industry. In light of the above statement, Explain oil and gas chain with the help of block diagram? **CO 1**
3. Explain the constituents of Field Development plan **CO 1**

**Section – C (5 X 4= 20 Marks)**

**Answer all the questions.**

- Explain the concept of 'Market Failure' with suitable example and graph pertaining to the energy sector.
- Explain the detailed concept of Natural Monopoly with suitable example.
- Pricing Methods
- How to improve Marginal Cost Pricing

**Section – D (15 X 2= 30 Marks)**

**Both the questions are compulsory-**

- i) What are the macro-economic factors that impact crude oil prices?
- ii) Explain the concept of Marginal Cost Pricing (MCP), benefits and limitations and its implications in crude oil market?