



UNIVERSITY OF PETROLEUM & ENERGY STUDIES
DEHRADUN

Mid Semester Examination – May, 2017

Program/course: BBA (Oil & Gas)
Subject: Oil/Gas Storage & Transportation
Code : BDSM141
No. of page/s: 2

Semester – I I
Max. Marks : 100
Duration : 3 Hrs

Note: All sections are compulsory.

Roll No.: _____

Section – A (20 Marks)

1. What is ATG? (2)
2. What is Static Electricity? (2)
3. What is Viscosity Index? (2)
4. What is Octane Number? (2)
5. Explain Inventory process. (2)
7. What is oil trap? (2)
6. Convert the units: (8)
 - 1 metric tonnes of crude oil is equal to _____ barrels
 - 1 barrel of crude oil is equal to _____ gallons
 - 1 tonnes of LPG is equal to _____ barrels
 - 1 million barrels of oil equivalent is equal to _____ trillion BTU
 - 1 BCM of natural gas is equal to _____ BCF
 - 1 million tonnes LNG is equal to _____ BCF
 - 1 million tonnes of oil equivalent is equal to _____ BCM of NG
 - 1 metric tonne is equal to _____ short tons

Section – B (4X5 = 20 Marks)

Attempt any four questions and answer the questions in brief:

1. What are the constraints associated with refinery operations?
2. What is Zero Inventory? Also, mentions the reasons to hold inventory.
3. Write short note on PLEM and SPM.
4. What are the safety measures for road transportation?

Section – C (10x3 = 30 Marks)

All the questions are compulsory:

1. Explain the various activities and functions involve in oil movement & storage.
2. What are the main components of pipeline operations?
3. What are the challenges associated with petroleum supply chain & logistics processes?

Section – D (15x2 = 30 Marks)

Attempt any 2 questions:

1. Explain the atmospheric storage tanks used in petroleum industry.
2. Describe the specification/properties of Petroleum products.
3. Explain the tank wagon unloading process.