

End Semester Examination, May, 2017

Program/course: BBA OG	Semester – IV	
Subject: Gas Fundamentals and Marketing	Max. Marks : 100	
Code :BDSM 108	Duration : 3 Hrs	
No. of page/s:2		

Please answer all sections. All sections carry equal marks.

SECTION A

(10X1=10Marks)

Please fill up the blanks:

I.

1.Examples of acid gases are	and	
2 Sweetening means the removal of	and	

2. Sweetening means the removal of ______ and ____ 3. HHV stands for ______.

4. DCF stands for _____.

5. The liquefaction temperature of LNG is ______ deg F.

6. An example of NGL is _____

7.CNG costs _____% less than Gasoline.

8._____is commonly known as "firedamp".

9.______ is commonly used to maximize the exploitation of shale gas.

10. "_____" are grains of sands to______.

Please answer in very brief:

II.

1. What do you understand by "payout".

2. What is the role of new technology in making a good investment decision?

3. Write the equation of % risk and also write how to make a good investment decision.

4. What is Wobbe Number? Explain giving an equation.

5.bar and psi are the units of _____.

SECTION B

(5x5=25 Marks)

(5x3=15Marks)

Please answer in brief:

- 1. Write a short note on the quality requirements of the end product processed gas.
- 2. Explain why a raw natural gas needs to be processed?
- 3. Write in detail the process of desorption, coalification and dewatering of CBM with neat diagrams.
- 4. Explain the three steps in the process of recovery of NGLs, refrigeration of gas till liquefaction and tanker storage of LNG.
- 5. Write and explain what is hydraulic fracturing for the shale gas giving cost and market based insight also.

SECTION C (2x15=30 Mark)

Please answer in detail:

- 1. Explain with a neat block diagram the natural gas processing sequence indicating all parameters and products and the by-products.
- 2. Explain the environmental factors of concern in connection with the unconventional /shale gas exploration and production.

SECTION D

(2x10=20 Marks)

Please answer in detail:

- 1. Write in detail what is the infrastructure for CGD networking. Explain in detail the distribution plan, and diagrammatically explain the stations.
- 2. Give a detailed derivation of the Rangarajan Committees report on domestic gas pricing and the new domestic gas pricing mechanism.