Roll No: -----





End Semester Examination, April, 2017				
Subjec Code	nm/course:BBA OG et: Gas Fundamentals and Marketing :BDSM 104 page/s: 3	Max.	ster – Marks tion	
	answer all sections. tions carry equal marks.			
	SECTION A		(10X1=10Marks)	
Please I.	fill up the blanks:			
1. 2. 3. 4. 5.	Avantika Gas Limited is a	% (gas.	-
7.	is a unit of porosityis a sleeping giant as concerns CBI Probable gas reserves of the Russian federarion			
tcm. 9.	The fall in KGD6 production is due to			
fields.	. JCC stands for	prices for L	NG for	Qatar import.
II. Ple	ase answer in three sentences each.		(5x3=	15 Marks)
2. 3.	Write in brief the business functions of CGD. What is the pressure formation of CNG? Why is Methane a dangerous nuisance to the min What is Van Der Vaals forces.	ning industry.		

5. What do you know about Sakhalin-2 project?

SECTION B

(5X5=25 Marks)

Please write in brief:

- 1. Write features of a CGD system. Explain how a CGD company is a commodity business. What are the benefits of natural gas? Explain with a neat diagram, what are the types of CNG stations.
- 2. Explain what is CNG? Explain its characteristics. Write a short note on the Piped Natural Gas-explaining how it works.
- 3. Explain with the supporting factors why Russia is in a very strong position in Global gas Market. Write a few lines about the three Russian companies. Give your analytical opinion on how Russian gas supply program to Asia and Europe shall further strengthen its stronghold in the gas business.
- 4. Write about the prevailing gas regime in the country. Explain the effects of increase in gas prices on the Power, Fertilizer and the Petrochemical industry.
- 5. Write in in detail about the Domestic Gas pricing and the New Domestic Gas Pricing of India, in detail.

SECTION C

(2X15=30 Marks)

Please answer in detail:

- 1. What is LNG? Write in detail about the stages involved in the LNG chain, with a neat diagram. Explain also the liquefaction technology and the process. What is the special feature about its storage? Explain with diagrams.
- Give the global proven global coal reserves for the top 5 countries. Write about the
 potential of CBM resources CBM resources in India, giving the region-wise location of
 coalfields. Explain the process of desorption, coalification and de-watering with neat
 diagrams.

SECTION D

(2X10=20 Marks)

Please answer in detail:

- 1. Which are the major North American Shale Reserves. Give the definition of Unconventional Gases as given by National Petroleum Council. What is hydraulic Fracturing? Express the environmental concerns attached.
- 2. What is considered a good investment, considering all factors? What is Wobbe Number and Heating value. Write about the adherence to the specification requirements to meet the desired fuel quality.