

Name:

Enrolment No:



## UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, May, 2020

Programme Name: B. Tech (Mining Engineering)

Semester : VIII

Course Name : Collaborative Mining and Legal Due-Diligence

Time : 03 h

Course Code : MIEG 462

Max. Marks : 100

Nos. of page(s) : 3 (three)

Instructions: Internal Choice for Questions 9, 10 and 11

### SECTION A

S. No.		Marks	CO
1.	Statement: Mining, oil and gas companies are under pressure to enhance local content in their procurement to demonstrate “good corporate citizenship” and to ensure a social license to operate.  Question: Among Forward – Backward – Spatial Linkages, which Linkage is preferable to enhance local procurement? Give justification	5	CO3
2.	Suggest three examples for Mining Companies that might lead to collaborate with Government on its policies of a) local b) regional and c) national development?	5	CO2
3.	Between Joint Venture (JV) and Strategic Alliances (SA), which one is preferable when an Indian Mining Company has plans to start Mining operations in the following countries a) Afghanistan and b) Australia?	5	CO4
4.	Adoption of Artificial Intelligence (AI) in Mining Industry will help in improved Safety measures to Mining Workforce? Give suggestions for a) Deep Gold Mines and b) Opencast Coal Mines?	5	CO4
5.	During Coal Bed Methane (CBM) Exploration, managing produce water will have some challenges. How a CBM Exploring Company should channelise produce water? Give important suggestions to collaborate/ complement any other industry?	5	CO2
6.	CVRD purchased a 75.66% stake in Inco (2006-07) and changed the name to Vale Inco the following year. Is this an example of alliance? Explain?	5	CO4

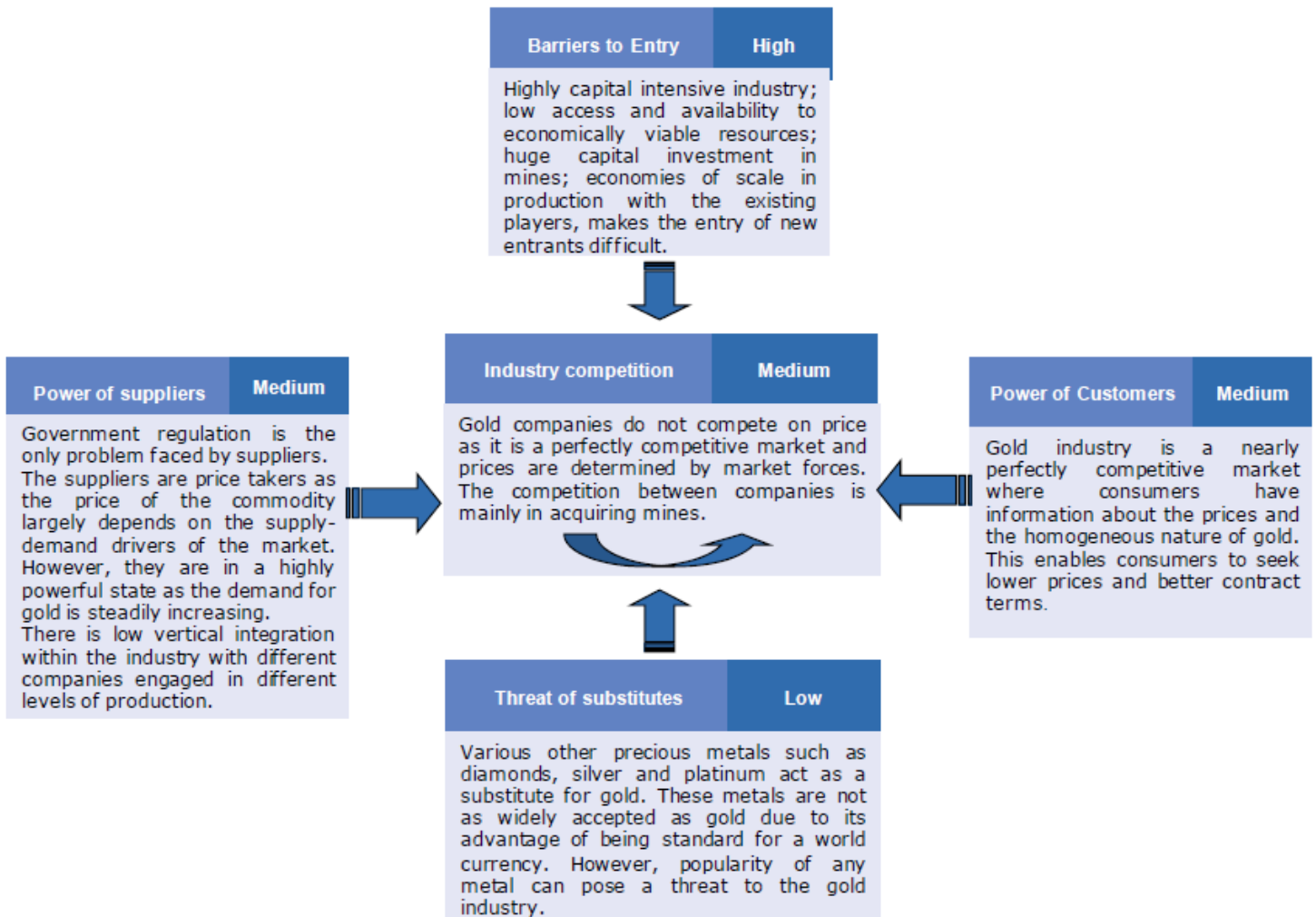
**SECTION B**

7.	Anglo-Australian mining giant Rio Tinto acquired Alcan in July 2007 in a deal worth \$38.1bn, making it the world's largest producer of aluminium and bauxite at the time.  What could be the rationale in acquiring Alcan like a company at a huge value?  What will be the consequences or possible drawbacks of acquisition?	5+5	CO4
8.	Due Diligence during Joint Venture/ Alliance will study different Fitness Dimensions. Some of them are, Financial fitness – Strategic Fitness – Operational Fitness Relationship Fitness. Examine all the aspects of fitness?	10	CO2
9a.	Why Financial Due Diligence is performed in Mining Industry?	10	CO3
<b>(OR)</b>			
9b.	What is the importance of Tax Due Diligence in Mining Industry?	10	CO3
10a.	What are the governing factors in Key-man Risks for a Mining Industry?	10	CO4
<b>(OR)</b>			
10b.	Design suitable strategies to overcome Operational Risk?	10	CO4
11a.	Develop Due Diligence Report for an Open-cast Iron Ore Mining with 5 important parameters?	10	CO4
<b>(OR)</b>			
11b.	Develop Due Diligence Report for an Open-cast Coal Mining with 5 important parameters?	10	CO4

## SECTION-C

The following text has been taken from

<https://www.abid.co/sites/default/files/ALTIUS%20MINING%20-%20ABID%20Report%20-%202012Dec11.pdf> for academic purpose



12 a)	Explain what is Industry Competition in your own words?	<b>10</b>	<b>CO4</b>
12 b)	How do you explain Power of Customers in perfectly competitive market?	<b>10</b>	<b>CO3</b>