

<b>Name:</b>	
<b>Enrolment No:</b>	

**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**  
**End Semester Examination, December 2018**

<b>Course: Mining Geology</b>	<b>Semester: III</b>
<b>Programme: B.Tech Mining Engg.</b>	<b>Course Code: MIEG 201</b>
<b>Time: 03 hrs.</b>	<b>Max. Marks: 100</b>
<b>Instructions:</b>	

**SECTION A**

**All Questions Compulsory**

S. No.	Question	Marks	CO
Q 1	Define SedEx deposits with suitable examples.	[4]	CO2
Q.2	Discuss interdependency among tenor, grade & cut-off grade.	[4]	CO1
Q.3	Critically differentiate various types of sedimentary ore bodies based on geological processes.	[4]	CO2
Q.4	Differentiate between Residual and Placer ore deposits with example.	[4]	CO2
Q.5	How precious minerals are valued/examined using physical properties of Mineral.	[4]	CO1

**SECTION B**

Q.6	Explain various operations for underground mining.	[10]	CO5
Q.7	Critically examine the processes under open pit mining.	[10]	CO5
Q.8	Compare direct and indirect methods utilized for prospecting of mineral deposits.	[10]	CO4
Q.9	Define various stages of mining.	[10]	CO4

**SECTION-C**

Q.10	Create a scheme defining the quality of coal. <b>Or</b> Describe in detail various processes involved in the formation of coal. Explain how maturity of coal happens in reducing environmental condition.	[20]	CO3
Q.11	Examine the weightage of various factors governing the selection of mining methods.	[20]	CO6

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