

Fifth Semester B.E. Degree Examination, June/July 2019 Mineral Economics

Time: 3 hrs.

Max. Marks:100

Note: Answer FIVE full questions, selecting atleast TWO questions from each part.

PART - A

		PARI - A	
1	a.	Explain the role of mineral industry in national economy.	(05 Marks)
	b.	What are the peculiarities of mineral industry? Explain.	(10 Marks)
	C.	List out two essential and two strategic minerals available in India. Also me	
		economic significance.	(05 Marks)
2	a.	What are the factors that influence the price of minerals? Explain.	(12 Marks)
	b.	Define conservation of minerals as far as National Mineral Policy is concerned.	(02 Marks)
	C.	What are the methods of conservation of minerals?	(06 Marks)
3	a.	Define sample and sampling.	(02 Marks)
	b.	What are the purpose of sampling?	(03 Marks)
	c.	Describe channel, chip and grab sampling.	(10 Marks)
	d.	Write a note on errors in sampling.	(05 Marks)
4	a.	Describe United Nation Framework Classification (UNFC) of ore reserves.	(10 Marks)
7	b.	Explain triangular and polygonal method of ore reserve estimation.	(10 Marks)
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		PART – B	
5	a.	How do you assess mining projects by discounted cash flow (DCF) method?	(08 Marks)
J	b.	Derive Hoskold's two rate formula used for mine valuation.	(08 Marks)
	c.	A mine has reserves for exploitation for 20 year. What remunerative return is e	
	٠.	the investment of Rs.500 million if speculative return is 15% and current safe rate	for capital
		redemption is 8%?	(04 Marks)
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6	a.	Describe mining fixed and operating costs	(06 Marks)
U	b.	Write a note on cut-off grade.	(04 Marks)
	C.	Explain various methods of depreciation with suitable examples.	(10 Marks)
	О.	Explain various incincus of depression was sense.	,
7	0	Write a note on capital structure of a company.	(04 Marks)
/	a. b.	What are the methods of financing mining enterprises? Explain.	(10 Marks)
	O.	What are the various methods of wage payments? Elaborate with examples ap	and the second second
	C.	mining industry.	(06 Marks)
		mining moustry.	(-01.200
8	a.	What are the needs for cost accounting?	(04 Marks)
U	b.	Explain various elements of cost of production with suitable examples.	(12 Marks)
	c.	Describe breakeven analysis with its significance.	(04 Marks)
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