Fifth Semester B.E. Degree Examination, Dec.2019/Jan.2020 Mineral Economics

Time: 3 hrs.

Max. Marks: 100

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

PART - A

1	a.	Describe in detail the role of mineral industry in national economy.	(10 Marks)
	b.	What are the peculiarities of mineral industry over manufacturing industry? Expla	
		and the production of the state	(10 Marks)
2	a.	What are the parameters/factors that influence the price of mineral? Explain.	(10 Marks)
_	b.	Write a note on appraisal of mineral resources.	(05 Marks)
	c.	Explain conservation of minerals from National Mineral Policy 2008 point of vie	
			(05 Marks)
3	a.	Define sample and sampling.	(02 Marks)
	b.	What are the purposes of sampling?	(04 Marks)
	c.	Describe in detail the channel, borehole, grab and bulk sampling.	(14 Marks)
4	a.	Describe various classifications of ore reserves.	(10 Marks)
•	b.	Write a note on assay plan.	(04 Marks)
	c.	Explain briefly with neat sketch the polygonal method of ore reserve estimation.	(06 Marks)
		1 38	()
		PART - B	
_			(0.6.3.4)
5	a.	What are the parameters /factors that affect the mine valuation?	(06 Marks)
	b.	Derive Hoskold's two rate formula for mine valuation.	(08 Marks)
	c.	What remunerative return do you expect from an invest of Rs. 100 lakhs over 20	
		rate of return and safe rate of interest are 14% and 8% respectively?	(06 Marks)
_			
6		Write short notes on the following:	
	a.	Mining fixed and operating costs	
	b.	Cut-off grade	
	C.	Feasibility study	(20 7/ 1)
	d.	Depreciation.	(20 Marks)
_			4035
7	a.	Describe various sources of finance for mining enterprise.	(10 Marks)
	b.	Write short notes on profits and loss account and balance sheet.	(10 Marks)
8	a.	Explain various elements of cost of production.	(10 Marks)
	b.	Write short note on overhead costs.	(05 Marks)
	C.	Derive a formula to calculate break—even sales.	(05 Marks)

* * * * *