Scat 110	Seat No.:	Enrolment No
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GUJARAT TECHNOLOGICAL UNIVERSITY

Subj	ect	BE - SEMESTER-VII (NEW) EXAMINATION – WINTER 20 Code:3172210 Date:07-)22 -01-2023
Subj	ect :	Name:Mine Mineral Economics	
Time	e:10	:30 AM TO 01:00 PM Total M	larks:70
Instru			
		Attempt all questions.	
	2. 3.	Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
	4.	Simple and non-programmable scientific calculators are allowed.	
		• •	MARKS
Q.1	(a)	Explain capital cost and operating cost.	03
•	(b)		04
	(c)	Describe various functions of national mineral policy 2012.	07
Q.2	(a)	What do you understand by the term sampling and why it is important for the industry?	03
	(b)		04
	(c)	Explain budget and budgetary control in brief. OR	07
	(c)		07
	(C)	Gy's theory of sampling.	07
Q.3	(a)	Write a short note on ore classification.	03
	(b)		04
	(c)	Explain conservation of mineral resources, scope and their limitations. OR	07
Q.3	(a)		03
Q.C	(b)		04
	()	industry.	-
	(c)	Describe the different types of sampling method used in mine.	07
Q.4	(a)		03
	(b)		04
	(c)	Enumerate the different methods of calculating depreciation and compare them.	07
		OR	
Q.4	(a)		03
	(b)		04
	(c)	Explain different methods for reduction of sample.	07
Q.5	(a)		03
	(b)	State the desirable features of depreciation methods.	04

(c) What do you understand by mine valuation? Explain Hoskold's and modern

concepts for present value computation.

07

OR

Q.5	(a)	What are the precautions to be taken during sampling?	03
	(b)	Discuss the basic concept and classification of tax systems.	04
	(c)	Describe the different methods of mine valuation and their application.	07
