Seat No.:	Enrolment No.

Subject code: 172201

GUJARAT TECHNOLOGICAL UNIVERSITY B. E. - SEMESTER – VII • EXAMINATION – WINTER 2012

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Date: 26/12/2012

Ti	me: stru 1 2	t Name: Mine Planning 10.30 am - 01.00 pm	
Q.1	(a) (b)	What do mean by mine planning? Describe mine planning components? Write a note on role of planning in mining ventures.	07 07
Q.2	(a)	What is the function of feasibility report? List out the main points of it.	07
	(b)	Explain the design of haul road and importance of it. OR	07
	(b)	Which are the challenges posed in mine planning?	07
Q.3	(a) (b)	What is the life of mine? Give the example for determination of life of mine. What is the cut off grade and how you determine the cut off grade of limestone mines supplying limestone ore to captive cement plant? OR	07 07
Q.3	(a)	Explain as follow: 1) Inferred reserve 2) Indicated reserve	07
	(b)	Define the following terms: 1. Bench height 2. Bench width 3. Face angle 4.Bench face	07
Q.4	(a) (b)	What do you understand by detailed project report? Write a note on Ultimate pit configuration. OR	07 07
Q.4 Q.4	(a) (b)	Explain optimal geometrical size of a mine. What is the difference between Open cast mining and underground mining?	07 07
Q.5	(a) (b)	Explain the planning and scheduling of production in an open cast mine. What is the importance of haul road in opencast mine? Describe the parameters affecting haul road design. OR	07 07
Q.5	(a)	Write a note on rate of production and mining losses.	07
-	(b)	What is reserve estimation? Explain any one method of reserve estimation.	07
