

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

B.E. Sem-III Regular / Remedial Examination December 2010

Subject code: 132201

Subject Name: Introduction to Mining

Date: 15 / 12 / 2010

Time: 10.30 am – 01.00 pm

Total Marks: 70

Instructions:

- 1. Attempt all questions.**
- 2. Make suitable assumptions wherever necessary.**
- 3. Figures to the right indicate full marks.**

- Q.1** (a) Explain mineral Resource of Gujarat. **07**
(b) Explain various types of explosives used in mining. **07**
- Q.2** (a) Explain Prospecting & Reconnaissance operations. **07**
(b) Explain difficulties in Boring **07**
- OR**
- (b) What is the concept of Mine Development? **07**
- Q.3** (a) Describe energy Resources in India & in Gujarat **07**
(b) What are the socio –economic impact of mining industries? **07**
- OR**
- Q.3** (a) Describe various methods for Coal and non – coal deposits **07**
(b) Explain advantages & disadvantages of Open Cast Mining **07**
- Q.4** (a) Which types of basic loading equipments used in open cast mines? **07**
(b) Explain various types of drills, drilling accessories. **07**
- OR**
- Q.4** (a) Explain Diamond drilling. why it is widely used in mining industries ? **07**
(b) Statutory provisions regarding health and safety of workers in Mines Act- 1952. **07**
- Q.5** (a) Explain history of mining. **07**
(b) Why open cast mining recently adopted by industries? **07**
- OR**
- Q.5** (a) Describe Minor , Reportable ,& Serious body injuries **07**
(b) Explain method of percussive, rotary drilling methods. **07**
