

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-III • EXAMINATION – WINTER • 2014****Subject Code: 2132201****Date: 23 /12 / 2014****Subject Name: Introduction to Mining****Time: 02.30 pm - 05.00 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 general concept of mine development. **07**
- (b) What are the different types of drill? Explain any one **07**
- Q.2** (a) What is drivability of rocks? Describe it. **07**
- (b) Explain provisions of health and safety in mines **07**
- OR**
- (b) Write short note on Socio-Economic impacts of mining industries **07**
- Q.3** (a) Compare percussive drilling with rotary drilling **07**
- (b) Give the metal mining terminology **07**
- OR**
- Q.3** (a) General concepts of Mine Development **07**
- (b) Explain difficulties in Boring. **07**
- Q.4** (a) Explain Mineral Resource of Gujarat & India. **07**
- (b) Explain modern Explosive. **07**
- OR**
- Q.4** (a) Explain Mineral and energy resources in world. **07**
- (b) Explain with neat-sketch diamond drilling. **07**
- Q.5** (a) Explain basic loading equipments used in mines **07**
- (b) Explain Solid Blasting. Write its advantages & disadvantages. **07**
- OR**
- Q.5** (a) What is Explosive? Explain Low & high explosive. **07**
- (b) Explain basis ideas about Transportation equipment and their application. **07**
