

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**GUJARAT TECHNOLOGICAL UNIVERSITY**

**BE - SEMESTER-VII • EXAMINATION – SUMMER • 2014**

**Subject Code: 172203**

**Date: 05-06-2014**

**Subject Name: Environmental Management In 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) Environmental impacts of mining project on its various stages. **07**  
(b) Site selection for waste rock disposal. **07**
- Q.2** (a) Techniques of restoration. **07**  
(b) Active treatment of acid mine drainage. **07**  
**OR**  
(b) Passive treatment of acid mine drainage. **07**
- Q.3** (a) Planning, goal and objectives of restoration **07**  
(b) Describe post mining land use. **07**  
**OR**
- Q.3** (a) Describe ecological restoration. **07**  
(b) Explain inventory of premining land use. **07**
- Q.4** (a) Explain causes of mine closure. **07**  
(b) Describe risk and socio-economic response of mine closure. **07**  
**OR**
- Q.4** (a) Describe mine closure objectives. **07**  
(b) Describe closure of mine entry. **07**
- Q.5** (a) Explain environmental management plan. **07**  
(b) Describe Environmental impact assessment. **07**  
**OR**
- Q.5** (a) Discuss Basic features of environment protection act 1986. **07**  
(b) Explain environmental monitoring and management. **07**

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