

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

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

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.E SEM-VII Examination-Nov/Dec.-2011**

**Subject code: 172203**

**Date: 24/11/2011**

**Subject Name: Environment Management in Mine**

**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 Environmental impact of Mining Project on its various stages. **07**  
(b) Explain Waste Rock characterization with proper examples. **07**

- Q.2** (a) Explain Mine Closure Planning for Opencast Mines. **07**  
(b) What are the Potential Environmental Impact of Waste rocks? Explain. **07**

**OR**

- (b) Explain Tailing Dry-Stack Facility Design and Operation. **07**

- Q.3** (a) Explain Acid Mine Drainage. **07**  
(b) Explain the technologies used for Acid Mine Drainage for wetlands. **07**

**OR**

- Q.3** (a) Explain Ecological Restoration. **07**  
(b) Explain the Management Principles for Post Mining Land use. **07**

- Q.4** (a) What is Post mining land use? Discuss any one board of groups. **07**  
(b) Explain: What are the steps for Restoration Planning? **07**

**OR**

- Q.4** (a) Discuss the Environmental Standards for Mines. **07**  
(b) State the objectives of Mine closure. **07**

- Q.5** (a) Explain Environment Management Plan. **07**  
(b) State the main points of Environment Protection Act 1986. **07**

**OR**

- Q.5** (a) Discuss about Environment Impact Assessment. **07**  
(b) Discuss Environment Monitoring and Management. **07**

\*\*\*\*\*