

GUJARAT TECHNOLOGICAL UNIVERSITY**B. E. - SEMESTER – VII • EXAMINATION – WINTER 2012****Subject code: 172203****Date: 01/01/2013****Subject Name: Environment Management in Mines****Time: 10.30 am - 01.00 pm****Total Marks: 70****Instructions:**

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Explain the rock and mill tailing disposal. **07**
(b) What is acid mine drainage? Write a note on technologies used for acid mine drainage for wetlands. **07**
- Q.2** (a) Explain the active and passive treatment of acid mine drainage. **07**
(b) Explain restoration planning, goal and objectives **07**
OR
(b) Write a note on selection of post mining land use. **07**
- Q.3** (a) Discuss risk and socio economic response of mine closure. **07**
(b) What is environment management plan? Discuss its content. **07**
OR
- Q.3** (a) What is environmental impact assessment in mines? Discuss the major issues in it? **07**
(b) What is noise? List out noise control measures. **07**
- Q.4** (a) Write a short note on air pollution. **07**
(b) What do you understand by restoration techniques? **07**
OR
- Q.4** (a) What is inventory of pre-mining land use? **07**
(b) Which are the provisions in environment protection act for the environment applicable to mining projects? **07**
- Q.5** (a) Explain natural restoration. **07**
(b) Brief the environmental effects of mining operation. **07**
OR
- Q.5** (a) Explain the procedure of environmental clearance. **07**
(b) What are the mining and environmental concerns? **07**
