

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER-VII(OLD) • EXAMINATION – WINTER 2017****Subject Code: 172203****Date:10/11/2017****Subject Name: Environment Management in Mine****Time:10.30 AM TO 01.00****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) What is the overall impact of mining on environment? **07**  
(b) Evaluate the cost benefit analysis of mining. **07**
- Q.2** (a) What are the issues of mine closure? **07**  
(b) How overburden issue can be resolved in mining activity? **07**
- OR**
- (b) How mill tailing disposal is carried in mining? **07**
- Q.3** (a) Explain decommissioning of reclamation. **07**  
(b) What technology is used for AMD? **07**
- OR**
- Q.3** (a) What is active and passive treatment of acid mine drainage? **07**  
(b) How ecological restoration of mining is planned? **07**
- Q.4** (a) How post mining land use is designed? **07**  
(b) What are the risk associated with mine closure? **07**
- OR**
- Q.4** (a) How environment impact assessment is carried for mining activity? **07**  
(b) What is importance of data for environment management in mines? **07**
- Q.5** Write note on any two : **14**
1. Inventory of pre-mining land use.
  2. Closure of mine entries.
  3. Constructed wetlands.
  4. Public hearing for environment management in mines.

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