

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE- SEMESTER-VII (NEW) EXAMINATION – WINTER 2020****Subject Code:2172203****Date:25/01/2021****Subject Name:Environment Management In Mine****Time:10:30 AM TO 12:30 PM****Total Marks: 56****Instructions:**

1. Attempt any **FOUR** questions out of **EIGHT** questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

	<b>MARKS</b>
<b>Q.1</b> (a) Write a note on Restoration Planning.	<b>03</b>
(b) What is acid mine drainage? Write a note on technologies used for acid mine drainage for wetlands.	<b>04</b>
(c) Explain restoration planning, goal and objectives	<b>07</b>
<b>Q.2</b> (a) Write a note on Objectives of Restoration.	<b>03</b>
(b) Discuss risk and socio economic response of mine closure.	<b>04</b>
(c) Explain Waste Rock characterization with proper examples.	<b>07</b>
<b>Q.3</b> (a) What are the causes of noise pollution on surrounding environment?	<b>03</b>
(b) Why Ecological restoration of mining is important? How is it planned?	<b>04</b>
(c) What are the principles of post mining land use?	<b>07</b>
<b>Q.4</b> (a) Describe the function of EMP.	<b>03</b>
(b) How can the damage to the environment be contained within acceptable limits and compensated for. Explain it.	<b>04</b>
(c) Explain the provisions of Environment Protection Act 1986 and any other relevant provisions for environment applicable to Mining Projects.	<b>07</b>
<b>Q.5</b> (a) Describe the function of EIA.	<b>03</b>
(b) Discuss briefly environment impact assessment (EIA) study.	<b>04</b>
(c) What are the causes of noise pollution on surrounding environment? What measures you suggest to minimize the noise pollution in the mines.	<b>07</b>
<b>Q.6</b> (a) What are different post mining land uses?	<b>03</b>
(b) State the objectives of Mine closure.	<b>04</b>
(c) Discuss Environment Monitoring and Management.	<b>07</b>
<b>Q.7</b> (a) Write a short note on: Sustainable Development.	<b>03</b>
(b) Describe public participation in Environment planning.	<b>04</b>
(c) What Environmental Clearances are required for mining?	<b>07</b>
<b>Q.8</b> (a) Write a short note on land pollution.	<b>03</b>
(b) What is natural restoration? Elaborate restoration planning, goal & objectives?	<b>04</b>
(c) What is inventory of pre-mining land use?	<b>07</b>

\*\*\*\*\*