Seat No. ---------- **Enrolment No.----------**

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER– VII• EXAMINATION–SUMMER 2015

Subject Code: 172203 **Date:12/05/2015**

Subject: Environment Management in Mine

Time: 02:30PM-05:00PM **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 Environment management Plan? Elaborate the content of Environment Management Plan?	[07]
	b)	Explain the provisions of Environment Protection Act 1986 and any other relevant provisions for environment applicable to Mining Projects.	[07]
Q.2	a)	What is noise pollution in mines and what measures you suggest to minimise the noise pollution in the mines.	[07]
	b)	What is the objective of mine closure? Describe associated risk and socio economic response of mine closure.	[07]
		OR	
	b)	Describe the management principles in post mining land use?	[07]
Q.3	a)	What are the causes of air pollution in mines and what measures you suggest to minimise the air pollution in the mines.	[07]
	b)	What are the criteria for selection of post mining land use?	[07]
		OR	
Q.3	a)	What is ecological restoration? Explain restoration planning, goal and objectives for sustainable development of mines.	[07]
	b)	Explain the closure of mine entries.	[07]
Q.4	a)	What are the objectives of Environmental Impact Assessment? What are the major issues in it?	[07]
	b)	Define the following terms: I. Reclamation II. Tailing III. Acid mine drainage IV. Sustainable Development	[07]
		OR	
Q.4	a)	Explain the process of getting Environment Clearance for Mining Projects?	[07]
	b)	What are the mining and environment concerns?	[07]
Q.5	a)	What are the health hazards and their prevention, control measures from mining project?	[07]
	b)	Describe socio-economic impact due to mining.	[07]
		OR	
Q.5	a)	Explain the active and passive treatment of acid mine drainage.	[07]
	b)	Explain the rock and mill tailing disposal.	[07]