

GUJARAT TECHNOLOGICAL UNIVERSITY
ME - SEMESTER- I • EXAMINATION – WINTER 2014

Subject Code: 2711708**Date: 12/01/ 2015****Subject Name: Environmental Impact Assessment****Time: 02:30 p.m. to 05:00 p.m.****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) In detail discuss the concept of sustainable development. **07**
(b) With help of official data, discuss the importance of environmental impact assessment in Indian context. **07**
- Q.2** (a) Explain the importance of mitigation in EIA. **07**
(b) What is a baseline study? How does it help in scoping in EIA? Discuss critically. **07**
- OR**
- (b) Enlist various methods of analysis of impact on environment. Discuss adhoc method for the same in detail. **07**
- Q.3** (a) Discuss checklist method in detail. Also state different type of checklists used in EIA. **07**
(b) In detail, discuss the role of public participation in EIA. **07**
- OR**
- Q.3** (a) Why it is important for an environmental engineer to analyze the socio economic conditions of study area? Discuss in context of EIA. **07**
(b) Explain the stage of Public Consultation in context of Environmental Impact Assessment Notification, 2006. **07**
- Q.4** (a) What does SEIAA stand for? Explain. **07**
(b) Discuss the scenario of nuclear power generation in India. **07**
- OR**
- Q.4** (a) Discuss environmental clearance in detail. **07**
(b) What is a Delphi technique? Explain in detail. **07**
- Q.5** (a) In context of EIA, write a short note on Chernobyl Disaster. **07**
(b) Discuss overlays method in EIA. **07**
- OR**
- Q.5** (a) In context of EIA, write a short note on Bhopal Disaster. **07**
(b) What are NGOs? What role can they play in effective EIA? **07**
