

Seat No:

Enrolment No:-----

GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER-VIII • EXAMINATION – SUMMER • 2015

Subject code: 181302

Date:11/5/2015

Subject Name: Environmental Impact Assessment

Time:10.30AM-01.00PM

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) EIA is an art cum science skill. Give your comments. **07**
(b) Draw a flow diagram showing relation between man's action, environmental effects and environmental impacts. Also explain it. **07**
- Q-2** (a) Define "Sustainable Development". Explain the role of EIA in sustainable development. **07**
(b) Discuss the statement: EIA-as an integral part of the planning process. **07**
- OR**
- (b) Explain EIA is a four-step activity carried out for a proposed project. **07**
- Q-3** (a) Enlist and explain the detailed contents of EIA. **07**
(b) Define Environmental attribute. Enlist major characteristics of Environment along with relevant environmental attributes. **07**
- OR**
- Q-3** (a) Define Environmental Impact. Also define the following with the help of an example: **07**
1) Primary & secondary impacts
2) Acceptable & non-acceptable impacts
3) Short term and long term impacts
(b) Enlist the requirements of good EIA method. **07**
- Q-4** (a) Enlist important players of EIA and explain any four in brief. **07**
(b) Write a brief note on: "Need of EIA for developing countries, especially India". **07**
- OR**
- Q-4** (a) Identify the primary, secondary and tertiary impacts of construction and operation of Sewage treatment plant. **07**
(b) Highlight the advantages and disadvantages of public participation in the overall environmental clearance process of any project. **07**
- Q-5** (a) Explain the procedure to be followed for obtaining environmental clearance as per EIA notification 2006. **07**
(b) Enlist the drawbacks of Matrix method of EIA. **07**
- OR**
- Q-5** (a) Enlist the different EIA methods and explain any one in detail. **07**
(b) Explain in detail the EES method of EIA. **07**
