

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER–VIII(NEW) EXAMINATION – SUMMER 2019****Subject Code:2181302****Date:15/05/2019****Subject Name:Environmental Impact Assessment****Time:10:30 AM TO 01:00 PM****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) Explain giving examples : primary, secondary and tertiary impacts **03**  
 (b) Write a note on matrix methodology for impact identification and evaluation. **04**  
 (c) Explain the four stages of Environmental Clearance as per EIA notification. **07**
- Q.2** (a) Differentiate between Harmonious and non-harmonious development. **03**  
 (b) Enlist the data to be collected for baseline monitoring and explain the points to be kept in mind during data collection. **04**  
 (c) Explain the Regional Carrying Capacity based Sustainable development. **07**
- OR**
- (c) Explain how EIA is a tool for achieving Sustainable development. **07**
- Q.3** (a) Classify giving examples the impacts based on acceptability. **03**  
 (b) Write a note on Environmental Monitoring Programme. **04**  
 (c) Explain EIA as a four step activity **07**
- OR**
- Q.3** (a) Write a note on relationship between man's action , environmental effects and environmental impacts. **03**  
 (b) Differentiate giving examples: Quantifiable and non-quantifiable impacts. **04**  
 (c) Prepare a check list of probable impacts of construction and operation phase of a thermal power plant. Classify the impacts. **07**
- Q.4** (a) Explain Environmental Cost Benefit Analysis. **03**  
 (b) Write a note on Environmental Management Plan **04**  
 (c) Enlist and explain any two topics to be included in detailed content of EIA. **07**
- OR**
- Q.4** (a) What are value function graphs? **03**  
 (b) Enlist four short term and four long term impacts of mining project. **04**  
 (c) Explain the different types of checklists methods for EIA. **07**
- Q.5** (a) Explain the purpose of EIA notification 2006. **03**  
 (b) Explain the importance of public participation in EIA process. **04**  
 (c) Write a note on Constitution of SEIAA. **07**
- OR**
- Q.5** (a) Enlist the various models useful for predicting impacts on Air environment. Explain their importance. **03**  
 (b) Highlight the difference between primary data and secondary data for EIA process. **04**  
 (c) What are environmental attributes? Explain any one. **07**

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