

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**GUJARAT TECHNOLOGICAL UNIVERSITY**

**BE - SEMESTER-VIII (NEW) - EXAMINATION – SUMMER 2018**

**Subject Code: 2181302**

**Date: 04/05/2018**

**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) Enlist the four steps of EIA and explain any one **03**  
(b) Explain the terms screening and scoping. **04**  
(c) What is sustainable development? Enlist the methods to achieve sustainable development and explain any two. **07**

- Q.2** (a) Explain the matrix methodology for EIA. **03**  
(b) Write a short note on Value function graphs. **04**  
(c) Enlist the detailed contents of EIA and explain any two. **07**

**OR**

- (c) What is Baseline study? What is its importance in EIA? How is baseline study carried out? **07**
- Q.3** (a) Explain giving examples: acceptable, conditionally acceptable and non-acceptable impacts. **03**  
(b) Differentiate between Rapid and comprehensive EIA. **04**  
(c) Explain the procedure for obtaining environmental clearance as per EIA notification 2006 **07**

**OR**

- Q.3** (a) Differentiate between primary impacts, secondary impacts and tertiary impacts. **03**  
(b) Highlight the relationship between man's action, environmental effects and impact. **04**  
(c) What are environmental attributes? Enlist the eight categories of attributes and explain any one. **07**

- Q.4** (a) State the objectives of EIA. **03**  
(b) Explain the Checklist method of EIA. **04**  
(c) Write a short note on Environmental Management plan. **07**

**OR**

- Q.4** (a) Explain the importance of EIA as an integral part of decision making process **03**  
(b) What is the importance of public participation in EIA process ? **04**  
(c) Enlist and explain the players of EIA. **07**

- Q.5** (a) As per EIA notification 2006, which projects require prior environmental clearance. **03**  
(b) Write a short note on Environmental Cost Benefit analysis. **04**  
(c) Identify the primary , secondary and tertiary impacts of a mining project **07**

**OR**

- Q.5** (a) Enlist the requirements of a good EIA method. **03**  
(b) Write a note on composition of SEIAA. **04**  
(c) Highlight the short term and long term impacts of construction of highway. **07**

\*\*\*\*\*