Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

ME - SEMESTER- II(New course) • EXAMINATION (Remedial) - WINTER- 2015

| Subject Code: 2721801 Date: 09/ | | | 12/2015 | |
|---------------------------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--|
| | ect Name: Environmental Impact Assessment 2:30 pm to 5:00 pm Total Marks: 70 | | | |
| | 1. | Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. | | |
| Q.1 | (a) (b) | • | 07 07 | |
| Q.2 | (a) | Establish the relationship between human activities and environmental impact with the help of diagram. | 07 | |
| | (b) | Differentiate between : (1) EIA and EIS (2) Environmental Impact Analysis and Environmental Impact Assessment | 07 | |
| | | OR | | |
| | (b) | Write a note on baseline monitoring? Explain its importance in the process of EIA. | 07 | |
| Q.3 | (a) (b) | With the help of examples, give the classification of impacts based on:1. Acceptability.2. Reversibility | 07 07 | |
| | | 3. Time period OR | | |
| Q.3 | (a) | | 07 | |
| | (b) | Write a note on õ EIA Notification 2006.ö | 07 | |
| Q.4 | (a) | Explain the following EIA methodologies report highlighting their merits and demerits.:1. Checklist method.2. Networks method | 07 | |
| | (b) | | 07 | |
| | | OR | | |
| Q.4 | (a) | Define and explain giving examples primary, secondary and tertiary impacts | 07 | |

- (b) Prepare a list of Environmental attributes and explain any one in detail. 07
- Q.5 (a) For a high way construction project connecting two important cities, 07 enlist the probable environmental impacts of the project and classify them.
 - (b) Write a note on õNeed of EIA for developing countriesö. 07

OR

- Q.5 (a) Prepare an impact identification matrix for a chemical industry project 07 which is to be established on the banks of a perennial river.
 - (b) Explain the difference between environmental effects and impacts with 07 appropriate example
