

GUJARAT TECHNOLOGICAL UNIVERSITY**BE – SEMESTER VIII • EXAMINATION – WINTER - 2013****Subject code: 181302****Date: 13-05-2013****Subject Name: Environmental Impact Assessment****Time: 10:30 pm 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) Define and explain the followings 06
- (i) Primary and Secondary impacts
 - (ii) Analysis and Assessment
 - (iii) Environmental changes and Environmental effects
- (b) You are required to carry out the EIA study for a proposed express way between Surat and Bombay. Identify primary, secondary and tertiary impacts by developing Interaction matrix. Provide explanation where ever you feel necessary. 08
- Q-2(a) Describing the baseline environmental conditions is must for any EIA Study. Give your comments highlighting the need of it. 07
- (b) What types of data are required to be collected for different components of environment for describing the existing environmental conditions? Provide a partial list of probable sources of the data. 07
- OR
- (b) Elaborate and give your comments on 'EIA is hindrance to the development'. Justify your arguments with the help of appropriate example. 07
- Q-3(a) Explain in detail, 'EIA as a four step activity'. Cite appropriate example. 08
- (b) Define 'irretrievable resources'. Explain its importance in the EIA for any project. 06
- OR
- Q-3(a) Should India and other developing countries make EIA as integral part of the over all decision making process? 08
- (b) Enlist and explain the possible alternatives to be considered under 'evaluation step' of EIA. 06
- Q-4(a) Define environmental attribute and enlist the activities involved the description of it. Explain any four activities. 08
- (b) Enlist the requirements of good EIA method. 06
- OR
- Q-4(a) Enlist EIA methods. Explain briefly, 'Interaction matrix' and 'Scaling-weighting checklist' method. 08
- (b) Enlist important players in EIA and define at least four. 06
- Q-5(a) Choose the most appropriate answer 06
- 'EIA is cumbersome and expensive exercise'. Statement is
- (a) True
 - (b) No comments
 - (c) False
 - (d) Not applicable
- EIS is prepared by
- (a) Consultant
 - (b) Controlling authority
 - (c) Proponent
 - (d) NGO
- EIA is
- (a) Pre-project activity
 - (b) Integral part of the project
 - (c) Post project activity
 - (d) Not a legislative requirement
- Impact analysis and impact assessment

- (a) synonyms (b) Are not a part of EIA
(c) Means different activity (d) Are components of ESI
- (b) 'EIA is a paper tiger'. Give your comments. 06
- OR
- Q-5(a) Give the generic structure of EIA report as per EIA notification, 2006, and explain any two chapters. 08
- (b) With the help of a neat diagram explain the procedure to be adopted to obtain the environmental clearance for proposed project. 06