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**Eighth Semester B.E. Degree Examination, Dec.2019/Jan.2020**  
**Environmental Impact Assessment**

Time: 3 hrs.

Max. Marks: 100

**Note: Answer FIVE full questions, selecting at least TWO questions from each part.**

**PART – A**

- 1 a. Define EIA. Explain the need for EIA studies. (10 Marks)  
b. With a flow chart, explain EIA and EIS relationship in the environmental analysis process. (10 Marks)
- 2 a. Explain the step-by-step procedure for conducting EIA. (10 Marks)  
b. Enumerate and explain the limitations of EIA. (10 Marks)
- 3 a. Outlining conceptual framework of impact studies, discuss the EIS format and content. (07 Marks)  
b. Highlight the various factors to be considered while choosing an impact assessment methodology. (05 Marks)  
c. List the various methodologies that are commonly adopted during EIA studies and explain any two of them. (08 Marks)
- 4 a. Briefly explain environmental attributes. List and explain the eight major environmental factors considered during attribute descriptor package. (10 Marks)  
b. Briefly explain : (i) DELPHI Technique of EIA (ii) Rapid and Comprehensive EIA. (10 Marks)

**PART – B**

- 5 a. What is meant by 'Public participation' with a flow diagram, explain the objectives of public participation? (10 Marks)  
b. Discuss on advantages and disadvantages of public participation in environmental decision making. (05 Marks)  
c. With a neat sketch, discuss on the levels of citizen participation. (05 Marks)
- 6 a. What are the techniques of public participation in environmental decision making? (05 Marks)  
b. Briefly explain environment impact matrices. (05 Marks)  
c. Outline the salient features of project activity and environmental parameters relationship. (10 Marks)
- 7 a. Explain clearly the EIA guidelines for a development project. Substantiate with an example. (10 Marks)  
b. Outline the EIA aspects of a large scale highway construction project. (10 Marks)
- 8 a. Establish the generalized approach for carrying out EIA for a thermal power plant project. (10 Marks)  
b. Briefly explain the EIA of water resource developmental project. (10 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.  
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.