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10CV847

Eighth Semester B.E. Degree Examination, July/August 2022
Environmental Impact Assessment

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, selecting atleast TWO questions from each part.

PART – A

- 1 a. What is an Environmental Impact Assessment? Explain the principles of EIA. (10 Marks)
b. Differentiate between REIA – CEIA and CEQ – FONSI. (10 Marks)
- 2 a. Explain in detail, the step-by-step procedure for conducting EIA. (12 Marks)
b. Explain the following limitations of EIA:
i) General limitations.
ii) Methodological limitations. (08 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. Write brief note on Cultural and Socio – Economic Environment. (08 Marks)
b. Explain the prediction and assessment of impact on the following attributes :
i) Air ii) Water iii) Soil iv) Land Ecology. (12 Marks)

PART – B

- 5 a. Explain Rapid EIA and Comprehensive EIA. (08 Marks)
b. Briefly explain EMP and DMP. (04 Marks)
c. Bring out clearly the guidelines of EIA for a developmental project. (08 Marks)
- 6 a. What are the techniques of public participation in environmental decision making? (05 Marks)
b. Explain briefly DELPHI technique of EIA. (05 Marks)
c. Establish the generalized approach for carrying out EIA for a thermal power plant project. (10 Marks)
- 7 a. Enumerate the salient features of the Project activity and environment parameter relationship. (12 Marks)
b. Briefly explain the different Environment Impact Matrices. (08 Marks)
- 8 a. Briefly explain environmental impact quantification of water resource development projects. (10 Marks)
b. Quantify the environmental impact for infrastructure and construction activities. (10 Marks)

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