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B.E / B.Tech (Full Time) DEGREE END SEMESTER EXAMINATIONS, APRIL / MAY 2014

GEOINFORMATICS

V Semester

CE 9046 – ENVIRONMENTAL IMPACT ASSESSMENT

(Regulation 2008)

Time: 3 Hours

Answer ALL Questions

Max. Marks 100

PART-A (10 x 2 = 20 Marks)

1. What are the objectives of EIA?
2. Who will do the Scoping?
3. List out the criteria for the selection of EIA methodology.
4. List out few qualities and characteristics of method/technique for evaluation of impacts.
5. Differentiate between Non point and Point sources of pollutant with examples for each.
6. What are the objectives of the environmental audit in an industry?
7. List out the steps involved in the critical assessment criteria.
8. List out some of the Socio-economic factors and their potential changes resulting from project implementation.
9. What are the initiatives that can be pursued to enhance public involvement in EIA?
10. Which projects/schemes/development activities need EIA and EMP (Environmental Management Plan) for environmental clearance?

Part – B (5 x 16 = 80 marks)

11. Prepare an EIA for Highway and Road Projects.
12. a) (i) Explain the factors that should be taken into account when assessing the significance of an environmental impact arising from a project activity. (8)
(ii) Explain in detail about the types of EIS (Environmental Impact Statement) (8)

(OR)

b) (i) Describe the role of the Consultant. (8)

(ii) Explain in detail about Initial Environmental Examination (IEE) (8)

13. a) Explain in detail about the Strength, weakness and applicability of Checklist methodologies.

(OR)

b) Elaborate the salient features of Matrices method.

14. a) Explain in detail the various phases associated with the evaluation of Biological Environment impacts.

(OR)

b) Explain in detail about the various types of Environmental audits practiced.

15. a) Explain in detail about the relationship of EIA process to project planning and implementation.

(OR)

b) Explain the Generalized approach for Assessment of Air pollution Impact.