

Code: CE8T3B

IV B.Tech - II Semester - Regular Examinations - March 2018

**ENVIRONMENTAL IMPACT ASSESSMENT
(CIVIL ENGINEERING)**

Duration: 3 hours

Max. Marks: 70

PART – A

Answer *all* the questions. All questions carry equal marks

11 x 2 = 22 M

1.

- a) What is the practice in India for Quality Assurance of Environmental Impact Assessment (EIA)?
- b) How do EIA contribute to sustainable development?
- c) What is the purpose of screening in EIA?
- d) Define air pollution and its sources.
- e) List out the steps involved in the critical assessment EIA.
- f) Distinguish the difference between "Prediction" and "Assessment" in EIA.
- g) What are the generic impacts of projects on flora and fauna?
- h) What is the importance of public participation in EIA?
- i) Suggest the mitigation options for Deforestation.
- j) List the essential components of an Environmental Management Plan.
- k) List any two adverse impacts associated with Ports and harbour projects.

PART – B

Answer any **THREE** questions. All questions carry equal marks.

3 x 16 = 48 M

- 2.a) Explain the network method of EIA. 8 M
- b) Describe the cost benefit analysis for a proposed paper factory. 8 M
- 3.a) Discuss the role of modelling in prediction and assessment of impacts of water pollution. Give a suitable example. 8 M
- b) Write the methodology for assessment of ground water characteristics in the study area. 8 M
- 4.a) Discuss the various development activities on vegetation and wildlife. 8 M
- b) Explain the objectives and types of environment audit. 8 M
- 5.a) Briefly explain the salient features of Mota Act. 8 M
- b) Elaborate the revision of environmental pollution act from initial stages of implementation. 8 M

6.a) Explain the importance of describing 'land use' in EIA.

8 M

b) Explain the procedure to be adopted to obtain the environmental clearance for various industrial projects. 8 M