

Code: CE8T3B

**IV B.Tech - II Semester – Regular / Supplementary Examinations  
May -2022**

**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) State Wild life act.
- b) What is IEE?
- c) What is meant by EIA statement?
- d) List the environmental parameters.
- e) Define the term ‘environmental base map’.
- f) What is an EIA audit?
- g) Define the term ‘biological environment’.
- h) What is Land use/Land cover?
- i) What are the causes of water pollution?
- j) What is meant by Audit Protocol?
- k) What is meant by Mota Act?

## PART – B

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

3 x 16 = 48 M

2. a) Explain the elements of EIA. 8 M
- b) Discuss briefly about simple matrix method and Network method. 8 M
3. a) Explain various developmental activities which cause significant impact on land. 8 M
- b) Explain the Methodology for the Assessment of Impacts on surface water environment. 8 M
4. a) Explain the environmental impacts of deforestation. 8 M
- b) Describe the various stages of Environmental Audit. 8 M
5. a) Explain the salient features of Environmental Pollution Act, 1986. 8 M
- b) Explain the salient features of Air (Prevention and Control) Act, 1981. 8 M
6. a) Explain the environmental impacts of traffic & transportation with suitable case study. 8 M
- b) Explain the Preparation of EIA statement for Chemical Industry. 8 M