

B.Tech IV Year II Semester (R15) Regular Examinations April 2019

ENVIRONMENTAL IMPACT ASSESSMENT & MANAGEMENT

(Civil Engineering)

Time: 3 hours

Max. Marks: 70

PART – A
(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) List out the key features of national environmental policy Act.
 - (b) Write a short note on screening.
 - (c) List out the latest software in water and air quality modeling.
 - (d) Write a short note on fault-tree analysis.
 - (e) What do you mean by the checklist method of impact assessment?
 - (f) Brief the various types of Socio-economic impacts.
 - (g) Write a note on standards for noise quality.
 - (h) Briefly explain the impact of development on vegetation and wild life.
 - (i) Explain about scoping step.
 - (j) What specific aspects does a good EIA report and review include?

PART – B
(Answer all five units, 5 X 10 = 50 Marks)**UNIT – I**

- 2 Explain the role of environmental inventory in assessing the forest ecosystem for the development of hydropower project in your area.

OR

- 3 Describe the various socio-economic impacts in decision making of environmental projects.

UNIT – II

- 4 Describe the role of artificial intelligence in EIA related projects.

OR

- 5 Elaborate the various EIA methods in assessing surface and ground waters.

UNIT – III

- 6 Describe the concept of Welfare economics.

OR

- 7 Describe the various EIA methods in establishing thermal power plant.

UNIT – IV

- 8 How do you assess the soil micro flora and fauna and soil microclimate? Explain in detail.

OR

- 9 What do you mean by carrying capacity of an ecosystem? List any two examples.

UNIT – V

- 10 What do you mean by cleaner production technology? Discuss with examples.

OR

- 11 Describe the evolution of EIA in India.
