



Code: 13A01802

B.Tech IV Year II Semester (R13) Regular & Supplementary Examinations April 2018

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) Differentiate between environmental impact assessment and environmental impact analysis.
- (b) What is the purpose of the "screening" step of EIA?
- (c) Differentiate between Ad-hoc and overlay methods.
- (d) What are the criteria for selection of EIA methodology?
- (e) Write a note on identification of mitigation measures.
- (f) What are the impacts of water pollution?
- (g) What are the effects of deforestation?
- (h) Enlist the types of environmental audit.
- (i) Write a short note on wildlife act.
- (j) In what ways air pollution can be controlled?

PART – B

(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

2 Explain in detail the concept of environmental impact assessment (EIA).

OR

3 Discuss the factors that influence data required for EIA.

UNIT – II

4 (a) Explain the checklist method of impact assessment.

(b) Enlist the drawbacks of Matrix method of EIA.

OR

5 (a) Examine how cost / benefit analysis helps in decision making, in developmental projects.

(b) Outline advantages and disadvantages of matrix method in EIA.

UNIT – III

6 Write a short note on air pollution sources and explain the approach for air pollution impact.

OR

7 (a) Write a step by step method for the delineation of study area.

(b) How does one procure relevant soil data? Explain

UNIT – IV

8 Give the assessment of impact of development activities on vegetation.

OR

9 (a) Enumerate and discuss the types of environmental audit.

(b) How is the evaluation of the audit data done? Explain.

UNIT – V

10 Give one case study on environmental impact assessment for any industries.

OR

11 Briefly explain the impact of development on vegetation and wild life.

