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Code: 15A01804 **R15**

B.Tech IV Year II Semester (R15) Advanced Supplementary Examinations July 2019

ENVIRONMENTAL IMPACT ASSESSMENT & MANAGEMENT

(Civil Engineering)

Time: 3 hours Max. Marks: 70

PART – A

(Compulsory Question)

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1 Answer the following: (10 X 02 = 20 Marks)

(a) Write the basic concept of EIA.
(b) What do you mean by Environmental Base map? Explain.
(c) What is the significance of over lay method in comparison with quality index method?
(d) What do you mean by EIA methodologies? Explain.
(e) How do you test the soil quality?
(f) Write few air pollution sources.
(g) Write few demerits of deforestation.
(h) What do you mean by environmental audit?
(i) Write salient points in Prevention & Control of pollution Act (The Air Act).
(j) What do you mean by Environmental Protection Act?

PART – B

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

UNIT – I

2 (a) Discuss briefly the elements of EIA.
(b) Explain the classification of Environmental parameters.

OR

3 (a) Explain briefly the principles of EIA.
(b) Discuss briefly the factors affecting EIA impact valuation and analysis.

UNIT – II

4 (a) What is quality index method? Explain briefly the salient points in this method.
(b) Discuss briefly the criteria for the selection of EIA methodology.

OR

5 Explain briefly the following in connection with EIA methodologies:
(a) Ad-hoc methods.
(b) Matrix methods.

UNIT – III

6 (a) What do you mean by impact prediction? Discuss briefly the assessment of impact significance.
(b) Explain the generalized approach for assessment of Air pollution Impact.

OR

7 (a) Discuss briefly about identification and incorporation of mitigation measures.
(b) Explain briefly about EIA in surface water, Air and Biological environment.

UNIT – IV

8 (a) Discuss in detail the assessment and developmental activities on vegetation and wild life.
(b) Write a short note on evaluation of Audit data and preparation of Audit report.

OR

9 (a) Write detailed note on causes and effects of Deforestation.
(b) Discuss briefly the objectives of Environmental Audit.

UNIT – V

10 Discuss in detail about Water prevention Act.

OR

11 (a) Discuss briefly about post Audit activities.
(b) Write short notes on Wild life Act case Studies.

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