

Code: 13A01802

**R13**

B.Tech IV Year II Semester (R13) Advanced Supplementary Examinations July 2017

**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) What are the key elements of environmental impact assessment?
  - (b) What are the different types of impact assessments?
  - (c) What are the uses of stepped matrix?
  - (d) What is the use of development of simple matrix?
  - (e) What is biogeochemical cycle?
  - (f) What is the use of box model approach?
  - (g) What are the causes for deforestation?
  - (h) What are the environmental impacts of deforestation?
  - (i) Name any four environmental acts that are being followed in India.
  - (j) Explain the importance of water protection act.

**PART - B**

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

**UNIT - I**

- 2 Explain the benefits of environmental impact assessment. How can you classify the environmental parameters?

**OR**

- 3 Explain various steps in risk assessment and impact evaluation.

**UNIT - II**

- 4 Explain network methodology for analyzing probable environmental impacts.

**OR**

- 5 Explain media quality index method and overlay methods for analyzing probable environmental impacts.

**UNIT - III**

- 6 Explain the conceptual approach for addressing biological impacts.

**OR**

- 7 Explain the conceptual approach for addressing air environmental impacts.

**UNIT - IV**

- 8 Explain the impacts of development activities on wildlife.

**OR**

- 9 Explain the impacts of development activities on vegetation.

**UNIT - V**

- 10 Explain about the air prevention and pollution control act in detail.

**OR**

- 11 How the environmental impact assessment statement is to be prepared and explain with a case study?

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