

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) 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?