

2021

ENVIRONMENTAL SCIENCE — HONOURS

Sixth Paper

(Group : A)

Full Marks : 50

The figures in the margin indicate full marks.

*Candidates are required to give their answers in their own words
as far as practicable.*

1. Answer *any ten* questions :

1×10

- (a) Write the full form of SEIAA.
- (b) Define the term air pollutant according to Air (Prevention and Control of Pollution) Act, 1981.
- (c) Write names of two birds notified in Schedule-I of Wildlife (Protection) Act, 1972.
- (d) What do you mean by Comprehensive EIA?
- (e) Write the full form of NEPA.
- (f) What do you mean by vermin according to Wildlife (Protection) Act, 1972?
- (g) State the year of enactment of Mines and Minerals (Regulation and Development) Act.
- (h) What is risk assessment?
- (i) What is the full form of NRCP?
- (j) What is TOR?
- (k) What is the validity of Environmental Clearance for river valley and mining projects according to EIA notification, 2006?
- (l) What do you mean by the term 'Green Bench'?
- (m) What do you mean by 'Silence Zone' according to Noise Pollution (Regulation and Control) Rules, 2000?
- (n) Define 'Circus' according to The Wildlife (Protection) Act, 1972.
- (o) Write full form of NCEPC.
- (p) Which year India got its first EIA Notification?

2. Answer *any ten* questions :

2×10

- (a) What do you mean by PIL?
- (b) Define EIA.

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- (c) According to Noise Pollution (Regulation and Control) Rules, 2000, write ambient air quality standard in respect to noise in Commercial and Residential Area in day and night time.
- (d) What is animal 'article' according to the Wildlife (Protection) Act, 1972?
- (e) Write the significance of Citizen's report.
- (f) State the importance of technology assessment,
- (g) What do you mean by Environmental Inventory?
- (h) Briefly explain the Scoping Step of EIA notification, 2006,
- (i) Write the two components of 'public consultation' according to EIA notification, 2006.
- (j) According to Wildlife (Protection) Act, 1972, for which purposes the permit is required from Chief Wildlife Warden to enter a sanctuary?
- (k) Write any two characteristic features of National Forest Policy, 1988.
- (l) State the significance of Article 48A and Article 51A(g) of the Constitution of India in the context of environment.
- (m) What do you mean by baseline data collection in EIA?
- (n) What do you mean by 'non-forest purpose' according to Forest (Conservation) Act, 1980?
- (o) Write the roles of EAC in EIA procedure.
- (p) State any two powers of pollution control board as per Air (Prevention and Control of Pollution) Act, 1980.

3. Answer **any four** questions :

- (a) Describe in detail the stages of Life Cycle Analysis. 5
 - (b) Describe in detail the concept of Eco-labelling. 5
 - (c) Describe in detail any five principles of National Environment Policy, 2006 of India. 5
 - (d) Write the functions of State Pollution Control Board according to Air (Prevention and Control of Pollution) Act of 1981. 5
 - (e) Describe in detail matrix and network methodologies involved in EIA process. 5
 - (f) What do you mean by biotic impact assessment? State its significance. 2+3
 - (g) Write the role of Central Zoo Authority according to Wildlife (Protection) Act, 1972. 5
 - (h) Explain in brief the role of USEPA in Environmental Protection. 5
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