



NP – 480

I Semester B.Sc. Degree Examination, February/March 2024  
(NEP Scheme) (Freshers)  
**ENVIRONMENTAL SCIENCE**  
**Environmental Studies (AECC)**



Max. Marks : 60

**Instruction : Answer all the Sections.**

SECTION – A

Multiple choice questions.

I. Answer all the questions. Write the correct answer.

(10×2=20)

- 1) a) \_\_\_\_\_ reduces ecological footprint.
  - i) Use of petrol
  - ii) Burning coal
  - iii) Use of solar energy
  - iv) Use of plastics
- b) The Brundtland report was published in
  - i) 1982
  - ii) 1985
  - iii) 1987
  - iv) 1992
- c) Sustainable Development Goals have
  - i) 17 Goals
  - ii) 18 Goals
  - iii) 16 Goals
  - iv) 19 Goals
- d) \_\_\_\_\_ is an abiotic component.
  - i) Producers
  - ii) Consumers
  - iii) Decomposers
  - iv) Soil
- e) Each level in food chain transfer of energy takes places from \_\_\_\_\_ level.
  - i) Trophic
  - ii) Tropical
  - iii) Temporary
  - iv) Transit
- f) Estuaries and deltas are the place where
  - i) River meets river
  - ii) River meets marshes
  - iii) Ocean meets ocean
  - iv) River meets ocean
- g) The process of replanting trees in areas that have been forest earlier but now damaged or destroyed is called as
  - i) Deforestation
  - ii) Reforestation
  - iii) Afforestation
  - iv) New forestation

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- h) Threatened category of classification does not include
- i) Critically endangered
  - ii) Endangered
  - iii) Extinct
  - iv) Vulnerable
- i) Paris agreement aims restrict average global temperature to \_\_\_\_\_ that of pre-industrial era by the year 2030.
- i) 1 Degree Centigrade
  - ii) 1.3 Degree Centigrade
  - iii) 2 Degree Centigrade
  - iv) 2.5 Degree Centigrade
- j) Demographic dividend means
- i) The decline in birth rates within a population
  - ii) The stage of population growth characterized by a high proportion of elderly individuals
  - iii) The economic advantage gained from a youthful and growing working-age population
  - iv) The total number of individuals within a population at a specific point in time

### SECTION – B

Short answer questions.

II. Answer **any five** questions.

(5×4=20)

- 2) Explain the concept of sustainable development.
- 3) Write a note on ecosystem.
- 4) Explain ecological pyramid.
- 5) Write a note on desert ecosystem.
- 6) Explain the case study of Cauvery water dispute.
- 7) Explain population explosion and its impact on environment.
- 8) Explain the salient features of Environmental Protection Act, 1986.

### SECTION – C

Essay type questions.

III. Answer **any two** questions.

(2×10=20)

- 9) Explain the structure and composition of Forest and Grassland ecosystem.
- 10) Discuss the threat to Biodiversity and mitigation measures.
- 11) Explain ozone-hole formation, its effects and control measures.
- 12) Explain in detail about solid waste management.