



Progressive Education Society's
Modern College of Arts, Science & Commerce Ganeshkhind, Pune – 16
End Semester Examination: December 2023
Faculty: Science and Technology

Program: B.Sc. **Semester: III** **SET: A**
Program (Specific): B.Sc (General/Biotech/B.Voc./Computer/BCA) **Course Type: AECC I**
Class: SY B.Sc. **Max. Marks: 35**
Name of the Course: Environmental Studies
Course Code: 23 – AECC I **Time: 2Hr**
Paper: I

Instructions to the candidate:

- 1) *There are 4 sections in the question paper. Write each section on separate page.*
- 2) *All Sections are compulsory.*
- 3) *Figures to the right indicate full marks.*
- 4) *Draw a well labelled diagram wherever necessary.*

SECTION: A

Q.1) Choose the correct option **5**

1. In which year did the word 'sustainable development' come into existence?
a) 1992 b) 1980 c) 1978 d) 1987
2. Why organisms in food chain are grouped into categories?
a) To form community b) To share the energy c) To form trophic level d) To get more energy
3. Which of the following factor diminishing as food chain proceeds?
a) Pressure b) Energy c) Nutrition d) Temperature
4. The most rapidly dwindling natural resource in the world is:
a) Water b) Forest c) Wind d) Land
5. The most important cause of loss of biodiversity today is.....
a) Habitat loss and fragmentation b) over-exploitation c) co-extinction d) Alien species invasion

Q.2) Answer any five of the following

5

- a) Define environmental studies
- a) Define sustainable development.
- c) Give one example of detritus food chain
- d) What are renewable and non-renewable energy sources?
- e) Define desertification.
- f) What are the different levels of biological diversity?
- g) Define endemism.

SECTION: B

Q.3) Write short note on any five of the following.

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- i) Soil Erosion
- ii) Deforestation
- iii) Differentiate between food chain and food web
- iv) Grassland ecosystem
- v) Ecological succession
- vi) Values of Biodiversity
- vii) India as mega-diverse nation.

SECTION: C

Q.4) Answer any three of the following

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- 1) What is ex-situ conservation? Explain it with suitable example.
- 2) Define Biodiversity. Explain the various threats to biodiversity in details.
- 3) What are alternate energy sources? Enlist them and discuss in detail.
- 4) Explain the fresh water aquatic ecosystem in details.
- 5) Write in details about causes and impacts of land degradation.
- 6) Explain in brief multidisciplinary nature of environmental studies.