



Avinashilingam Institute for Home Science and Higher Education for Women

Deemed to be University Estd. u/s 3 of UGC Act 1956, Category A by MHRD (now MoE)

Re-accredited with A++ Grade by NAAC. CGPA 3.65/4, Category I by UGC

Coimbatore-641043, Tamil Nadu, India

Bachelor's Degree Examination - May 2025

II Semester

Class : I UG

Major : All Majors

Time : 3 Hours

Max. Marks : 100

23BAEES1 - Environmental Studies

(Ability Enhancement Compulsory Courses AECC)

Part A

10 x 1 = 10

Choose the Correct Answer

1. The sequence of the eaters being eaten is called
 - a. Food web
 - b. Food chain
 - c. Trophic level
 - d. Producers
2. The main gaseous component of atmosphere which supports life through respiration
 - a. O₂
 - b. CO₂
 - c. SO₂
 - d. NO₂
3. Drought can be managed by
 - a. Deforestation
 - b. Over exploitation of water
 - c. Afforestation
 - d. Population explosion
4. The main cause of desertification is
 - a. Overgrazing
 - b. Mining
 - c. Irrigation
 - d. Plantation
5. Gir National Park is situated at
 - a. Assam
 - b. Madhya Pradesh
 - c. Tamil Nadu
 - d. Gujarat
6. Climate restoration and ecosystem preservation contribute to _____ value of biodiversity
 - a. Economic
 - b. Ethical
 - c. Ecological
 - d. Social
7. Water (Prevention and control of Pollution) Act was amended in the year
 - a. 1971
 - b. 1972
 - c. 1973
 - d. 1974
8. Eutrophication in water bodies is caused by excessive
 - a. Oxygen
 - b. Nitrates and phosphates
 - c. Carbon dioxide
 - d. Sulfur
9. The Bishnoi Movement took place in which Indian state?
 - a. Gujarat
 - b. Rajasthan
 - c. Madhya Pradesh
 - d. Haryana
10. Which of the following helps to reduce carbon footprint?
 - a. Using plastic bags
 - b. Burning fossil fuels
 - c. Planting trees
 - d. Using air conditioners constantly

Part B

5 x 6 = 30

Answer ALL questions

Each answer should not exceed 400 words or two pages

- 11.a. With reference to grassland ecosystem explain food chain with suitable examples.
(or)
- 11.b. Define sustainability and explain its importance in achieving a balanced environment.
- 12.a. What is deforestation? Enumerate its consequences to the ecosystem.
(or)
- 12.b. Portray the process of condensation and its role in precipitation formation.
- 13.a. What are biogeographic zones? Explain the unique features of the Western Ghats.
(or)
- 13.b. Enlist any five endangered animal species of India and explain the major threats faced by them.
- 14.a. Discuss the impact ozone layer depletion and acid rain on ecosystem.
(or)
- 14.b. Enumerate the key features of Forest Conservation Act.
- 15.a. Present the impact of population expansion on environment and human health.
(or)
- 15.b. Comment on the role of the Chipko community to promote environmental sustainability.

Part C

5 x 12 = 60

Answer ALL questions

Each answer should not exceed 800 words or four pages

- 16.a. Discuss in detail the components of environment.
(or)
- 16.b. Elaborate on the structure and functions of an ecosystem.
- 17.a. Elucidate the socio-economic and environmental consequences of water conflicts.
(or)
- 17.b. Illustrate the significance of alternative energy resources in reducing environmental pollution.
- 18.a. "India as a mega-biodiversity nation" – Justify.
(or)
- 18.b. Describe in detail the types of biodiversity conservation.
- 19.a. Analyze the biological effects and control measure of soil pollution.
(or)
- 19.b. Infer the causes and impacts of wildlife conflicts in India. Suggest measures to mitigate these conflicts.
- 20.a. Explain the causes and impact of landslide on the ecosystem and add a note on community participation and preparedness in disaster management.
(or)
- 20.b. Describe the role of religious and cultural traditions in promoting environmental conservation.
