



BRAINWARE UNIVERSITY

Term End Examination 2024-2025
Programme – B.A. LL.B.-2024/BBA LL.B.-2024
Course Name – Environmental Studies
Course Code - ENV101
(Semester I)

Full Marks : 60

Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 15=15

1. Choose the correct alternative from the following :

- (i) Identify a consequence of over-exploitation of forests.
- | | |
|---------------------------|----------------------------|
| a) Increased biodiversity | b) Improved soil fertility |
| c) Habitat loss | d) Climate stability |
- (ii) Outline a common cause of forest fires.
- | | |
|------------------------|----------------------|
| a) Sustainable farming | b) Lightning strikes |
| c) Controlled burns | d) Forest management |
- (iii) Outline a key environmental impact of timber extraction.
- | | |
|-----------------------------|------------------------|
| a) Biodiversity enhancement | b) Habitat destruction |
| c) Air purification | d) Soil conservation |
- (iv) Choose the primary consumers from the following options.
- | | |
|-----------|-------------|
| a) Deer | b) Eagles |
| c) Snakes | d) Bacteria |
- (v) Choose the pioneer species in primary succession.
- | | |
|-----------|----------------|
| a) Mosses | b) Decomposers |
| c) Eagles | d) Herbivores |
- (vi) Identify the law of thermodynamics stating that energy cannot be created or destroyed.
- | | |
|--------------|---------------|
| a) First Law | b) Second Law |
| c) Third Law | d) Fourth Law |
- (vii) Infer the importance of genetic diversity within a species.
- | | |
|----------------------------------|------------------------------|
| a) Reduces extinction risk | b) Increases extinction risk |
| c) Has no effect on adaptability | d) Reduces adaptability |
- (viii) Show the relationship between ecosystem services and biodiversity.
- | | |
|---|--|
| a) Ecosystem services are independent of biodiversity | b) Ecosystem services are enhanced by biodiversity |
|---|--|

- c) Biodiversity reduces ecosystem services d) Ecosystem services do not depend on biodiversity
- (ix) Which of the following is a control measure for marine pollution?
 a) Reducing plastic usage b) Increasing sewage discharge
 c) Promoting synthetic fertilizers d) Expanding ocean mining
- (x) Select the effect of thermal pollution on aquatic life.
 a) Increased oxygen levels b) Algal blooms
 c) Improved reproductive success d) None of the these
- (xi) Identify a method used to manage saline soils in wasteland.
 a) Afforestation b) Leaching
 c) Drainage d) Gypsum application
- (xii) Identify a source of e-waste.
 a) Glass bottles b) Automobile debris
 c) Food waste d) Mobile phones
- (xiii) Show the effect of overpopulation on climate change.
 a) Increases resource use b) Decreases pollution
 c) Reduces carbon emissions d) Promotes renewable energy
- (xiv) Show the role of NCERT in value education.
 a) Conduct exams b) Promote value-oriented education
 c) Reduce the birth rate d) Introduce new economic policies
- (xv) Show the diagnostic test commonly used for HIV.
 a) X-ray b) ELISA
 c) MRI d) CT Scan

Group-B

(Short Answer Type Questions)

3 x 5=15

2. What is ecological succession? (3)
3. Explain water conservation and its necessity. (3)
4. Illustrate the impact of rapid population growth on resources. (3)
5. Identify the effects of excessive use of chemical fertilizers and pesticides in agriculture. (3)
6. Explain the social and ethical values of biodiversity. (3)

OR

Assess the variation of biodiversity at global, national, and local levels. (3)

Group-C

(Long Answer Type Questions)

5 x 6=30

7. Identify the challenges of food resources. (5)
8. What do you mean by aquatic ecosystem? (5)
9. Explain species diversity. (5)
10. Estimate five endangered species of India. (5)
11. Outline the relationship between child welfare and the environment. (5)
12. Discover the objectives of Wildlife Protection Act. (5)

OR

List the impact of consumerism in environment. (5)

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