



# BRAINWARE UNIVERSITY

Library  
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Term End Examination 2025-2026

Programme – B.A. LL.B.-2024/BBA LL.B.-2024/B.A. LL.B.-2025/BBA LL.B.-2025

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) List a key non-timber forest product (NTFP).
 

a) Coal	b) Timber
c) Medicinal plants	d) Iron
  - (ii) Choose the correct effect of land subsidence due to underground mining.
 

a) Increased vegetation	b) Improved drainage
c) Land sinking	d) Soil fertility enhancement
  - (iii) Identify the term for the stable and self-perpetuating community in ecological succession.
 

a) Climax Community	b) Seral Community
c) Pioneer Species	d) Secondary Community
  - (iv) Select the structure of a pond ecosystem that is characterized by the open water area.
 

a) Littoral Zone	b) Limnetic Zone
c) Profundal Zone	d) Riparian Zone
  - (v) Select the type of desert that experiences cold winters and freezing temperatures.
 

a) Hot Desert	b) Cold Desert
c) Coastal Desert	d) Arid Desert
  - (vi) Infer the impact of deforestation on global biodiversity.
 

a) Increases species richness	b) Decreases species richness
c) Has no effect on species	d) Improves ecosystem balance
  - (vii) Infer why preserving genetic diversity is crucial for agriculture.
 

a) It decreases crop yield	b) It prevents pest resistance
c) It improves adaptability to environmental changes	d) It increases extinction rates
  - (viii) Outline the criteria required for a region to be classified as a biodiversity hot spot.

- a) At least 0.5% of the world's plant species as endemics  
 b) At least 1% of the world's mammal species as endemics  
 c) At least 10% of the world's bird species as endemics  
 d) At least 0.1% of the world's insect species as endemics
- (ix) Name the pollutant that can lead to soil contamination from mining activities.  
 a) Heavy metals  
 b) Microplastics  
 c) Pesticides  
 d) Organic compost
- (x) Identify a method to capture rainwater for future use.  
 a) Groundwater recharging  
 b) Water filtration  
 c) Rainwater harvesting  
 d) Sewage discharge
- (xi) Select the primary goal of the Forest (Conservation) Act, 1980.  
 a) Forest expansion  
 b) Forest protection  
 c) Animal protection  
 d) Mining regulation
- (xii) Outline the fundamental right related to a clean environment under Indian law.  
 a) Article 19  
 b) Article 21  
 c) Article 15  
 d) Article 3
- (xiii) Infer the key human right outlined in Article 3 of the UDHR.  
 a) Right to education  
 b) Right to life  
 c) Freedom of speech  
 d) Right to privacy
- (xiv) Show the region where HIV is believed to have originated.  
 a) Asia  
 b) Europe  
 c) Africa  
 d) Australia
- (xv) Show how HIV is not transmitted.  
 a) Sharing needles  
 b) Breastfeeding  
 c) Blood transfusion  
 d) Handshakes

**Group-B**

(Short Answer Type Questions)

3 x 5=15

2. Explain food chain. (3)  
 3. Infer the primary causes of air pollution. (3)  
 4. Explain the causes and effects of forest fires on the environment. (3)  
 5. What is the concept of an ecosystem? (3)  
 6. Examine the productive use value of biodiversity. (3)

**OR**

Examine the aesthetic value of biodiversity. (3)

**Group-C**

(Long Answer Type Questions)

5 x 6=30

7. Construct a note on problems of natural resources. (5)  
 8. Explain lakes and ponds as a variant of aquatic ecosystem. (5)  
 9. Explain ex-situ conservation of biodiversity. (5)  
 10. List the effects of noise pollution. (5)  
 11. Illustrate the need for human rights. (5)  
 12. Examine the concept of human rights. (5)

**OR**

Examine the role of IT in human health. (5)

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