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BRAINWARE UNIVERSITY

Term End Examination 2025-2026
Programme – B.Sc.(Ag)-Hons-2024
Course Name – Environmental Studies and Disaster Management
Course Code - CC-BAG377 (T)
(Semester III)

Full Marks : 50 **Time : 2:0 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 20=20

1. *Choose the correct alternative from the following :*

(i) Grassland ecosystem is occupied by nearly how much percentage of earth surface?

a) 21% b) 50%
c) 70% d) 80%

(ii) Show the correct option from the followings: Biomagnification means?

a) accumulation of a chemical by an organism from water and food exposure
b) accumulation of a chemical by an organism from air
c) accumulation of a chemical by an organism from laboratories
d) All of these

(iii) Which of the following is not a green house gas?

a) nitrogen gas b) methane gas
c) water vapour d) carbon dioxide

(iv) Boojho wishes to contribute in reducing air pollution. Which vehicle should he use for going to school?

a) car b) autorickshaw
c) school bus d) scooter

(v) Which Indian states are involved in the Cauvery Water Disputes

a) Kerala and Tamilnadu b) Andhra Pradesh and tamilnadu
c) Karnataka and Tamilnadu, Kerala and Puducherry
d) Maharastra and Karnataka

(vi) Which type of consumers are present at the apex of the food chain ?

a) Primary b) Secondary
c) Tertiary d) Quaternary

(vii) Identify the Non symbiotic bacteria from the given options below:

a) Rhizobium b) Anabena

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c) Azotobactor
d) Nostoc

(viii) The Montreal protocol is related to which pollution?

a) Land pollution
b) Atmospheric pollution
c) Water pollution
d) Noise pollution

(ix) Define Eutrophication from the given options below:

a) Thermal change of water
b) Filling up of water bodies with aquatic plants due to extra nutrient
c) Filling up of water bodies with aquatic plants due to less nutrient
d) Solid waste

(x) Make an outline about Greenhouse effect from the given options below:

a) Over cultivation of land
b) Testing nuclear weapons
c) Some atmospheric gases like CO2 , N2O and some man-made gases
d) Soil pollution

(xi) Build the meaning of BOD from the given options below:

a) Biological oxygen demand
b) Biochemical oxygen demand
c) Biggest oxygen demand
d) Bio oxygen dissolved

(xii) Which one of the following ozones is harmful to public health?

a) Stratospheric ozone
b) Tropospheric ozone
c) Laboratory ozone
d) Lithospheric ozone

(xiii) Which of the following is not biodegradable?

a) Polythene
b) Cotton
c) Vegetable waste
d) Wood

(xiv) Detritus food chain starts from Which one?

a) Green plants
b) Grass
c) Dead organic matter
d) Phytoplankton

(xv) Drought can be classified as

a) Metrological drought
b) Hydrological drought
c) Agricultural drought
d) All of these

(xvi) Choose the suitable answer related to Nitrogen cycle from the given options below:

a) Gaseous cycle
b) Hydrologic cycle
c) Sedimentary cycle
d) All of these

(xvii) Identify the correct the non-renewable energy resource from the given options below:

a) Sunlight
b) Wind
c) Wild-life
d) Fossil fuels

(xviii) Show the correct answer from the followings: the term Environment is related to which of the given options below?

a) Sum total of all conditions that the life and development of all organisms on earth.
b) A beautiful earth
c) Earth and water
d) A combination of plants and animals

(xix) What is the hottest region of the atmosphere?

a) Troposphere
b) Ionosphere
c) Mesosphere
d) Stratosphere

(xx) In the industrial area noise is measured by which unit?

a) L10 (18 hrs) index
b) Leq
c) Lepn
d) Laq

Group-B

(Short Answer Type Questions) 2.5 x 10=25

2. State the scope of Environmental Science. (2.5)
3. Summarize aquatic ecosystem with proper example. (2.5)
4. Define the term composting & state its importance in solid waste management. (2.5)
5. Define chemical disaster. (2.5)
6. What is solid waste management? (2.5)
7. State the causes of Air Pollution. (2.5)
8. Explain the types of Droughts in brief. (2.5)
9. Find the difference between vulnerability and risk in disaster management. (2.5)
10. Formulate a sustainable water pollution management strategy. (2.5)
11. Write a short note on non-renewable energy resources with examples. (2.5)

OR

Write the example about the non-renewable energy sources with proper explanation. (2.5)

Group-C

(Long Answer Type Questions) 5 x 1=5

12. Explain sustainable agriculture. (5)

OR

Write down the difference between renewable and non-renewable energy resource. (5)

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