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**BRAINWARE UNIVERSITY**

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**Term End Examination 2025-2026**

**Programme – B.Optomety-2022/B.Physiotherapy-2022/B.Sc.(CCT)-2022/B.Sc.  
(MLT)-2022/B.Sc.(MRIT)-2022/B.Sc.(OTT)-2022/B.Optomety-  
2023/B.Physiotherapy-2023/B.Sc.(MLT)-2023/B.Sc.(MRIT)-2023/B.Sc.  
(OTT)-2023/B.Sc.(PA)-2023/B.Sc.(CCT)-2023/B.Optomety-2024/B.Physiotherapy-  
2024/B.Sc.(CCT)-2024/B.Sc.(MLT)-2024/B.Sc.(MRIT)-2024/B.Sc.(OTT)-2024/B.Sc.  
(PA)-2024/B.Optomety-2025/B.Physiotherapy-2025/B.Sc.(CCT)-2025/B.Sc.  
(MLT)-2025/B.Sc.(MRIT)-2025/B.Sc.(OTT)-2025/B.Sc.(PA)-2025**

**Course Name – Environmental Science****Course Code - EVS101****( Semester I )****Full Marks : 75****Time : 3:0 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 10=10****1. Choose the correct alternative from the following :**

- (i) Express the full form of CCU.  
a) Critical Care Unit  
b) Cervical Care Unit  
c) Collective Care Unit  
d) Compound Care Unit
- (ii) Select the body fluid come under which type of health care waste?  
a) Sharp waste  
b) Pathological waste  
c) Pharmaceutical waste  
d) Chemical waste
- (iii) The causes of landslide is not due to \_\_\_\_\_.  
a) Deforestation  
b) Road construction  
c) Industrialisation  
d) Noise pollution
- (iv) Energy flow in an ecosystem is \_\_\_\_\_.  
a) Unidirectional  
b) Cyclic  
c) May be unidirectional or cyclic depending on condition  
d) Rectangular
- (v) Choose what is the main significance of sustainable development?  
a) To preserve the natural resources for the needs of the future generation  
b) To exploit the available resource for rapid improvement  
c) To increase the cost of available natural resources  
d) To increase the reservoirs of natural resources
- (vi) Select Which of the following are renewable resources of energy?

- a) Coal, nuclear energy, biogas  
 b) Tidal energy, wind energy, Petroleum  
 c) Wind energy, solar energy, nuclear energy  
 d) Petroleum, Geothermal energy, hydropower energy

(vii) Identify the primary purpose of an incubator in a Microbiology laboratory.

- a) To sterilize equipment  
 b) To culture and grow microorganisms  
 c) To perform blood tests  
 d) To store chemicals

(viii) Select the full form of PPE.

- a) Personel Protective Equipments  
 b) Personel Protective Wear  
 c) Private Protective Equipments  
 d) None of these

(ix) Which of the following represents an abiotic component of an ecosystem?

- a) Plants  
 b) Animals  
 c) Soil  
 d) Insects

(x) Identify the primary effect of acid rain on water bodies.

- a) Lowered pH levels  
 b) Increased biodiversity  
 c) Decreased oxygen  
 d) Water quality restoration

### Group-B

(Short Answer Type Questions)

3 x 5=15

2. Classify clinical laboratory hazards. (3)  
 3. Define Renewable and Non renewable resources. (3)  
 4. Explain the term food web with example. (3)  
 5. Define the importance of environmental study. (3)  
 6. Summarize the common test performed in biochemistry department. (3)

OR

Compare and contrast disinfection and sterilization with suitable examples. (3)

### Group-C

(Long Answer Type Questions)

10 x 5=50

7. Explain briefly about Hospital Acquired infection and write about its modes of transmission and precautions. (10)  
 8. Explain the forest and water resources. Mention the ways to conserve these two natural resources. (10)  
 9. Classify the different types of ecological pyramids (10)  
 10. State the causes of Air Pollution. (10)  
 11. Summarize the Biomedical waste management technique. (10)

OR

Distinguish Biomedical wastes into its various types and method of their treatment. (10)

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