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Roll No.....

**SCHOOL OF UNANI MEDICAL EDUCATION & RESEARCH
JAMIA HAMDARD**

Annual Examination of BUMS First Prof. 2024 (Batch: 2022-2023)(Senior Batch)

Paper Code: ES-01: ENVIRONMENTAL STUDIES

Time: 03 Hours

Max Marks: 75

ATTEMPT ALL QUESTIONS IN CONTINUATION

Q1A. Answer the following

(5x1=5)

- a) Define climate change.
- b) What is sustainable development?
- c) Define ecological footprint.
- d) What is Tsunami?
- e) Define geothermal energy.

Q1B. Fill in the blanks

(5x1=5)

- a) The layer of the Earth's atmosphere where the ozone layer is located is the _____.
- b) _____ is the process by which fertile land becomes desert.
- c) The primary cause of global warming is the increase in _____ gases in the atmosphere.
- d) _____ is the practice of using resources more efficiently and sustainably.
- e) The largest source of renewable energy is _____.

Q1C. Match the following terms with their definitions

(5x1=5)

a) Photosynthesis	i. A large community of plants and animals that occupies a distinct region
b) Carbon footprint	ii. Excessive nutrients in a water body causing dense plant growth.
c) Deforestation	iii. Process by which green plants use sunlight to synthesize foods.
d) Eutrophication	iv. The total amount of greenhouse gases produced by human activities.
e) Biome	v. The large-scale removal of trees from forests.

Q2. Discuss the impact of deforestation on forests and tribal communities. Provide examples.

(15)

OR

Explain the problems of over-using water resources. Discuss water conflicts and the pros and cons of dams, with examples.

Q3. Describe how an ecosystem works. Explain the roles of producers, consumers, and decomposers.

(15)

OR

Discuss the models of energy flow in an ecosystem.

Q4. Explain how population growth affects the environment. Discuss population growth variations among nations and the role of family welfare programs, with examples.

(15)

OR

Describe the threats to biodiversity. Explain *in-situ* conservation methods with examples from India.

Q5. Explain the causes, effects, and control measures of air pollution.

(15)

OR

Discuss solid waste management, its causes, effects, and control measures.

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