**B. PHARM SEMESTER- II**

**ENVIRONMENTAL SCIENCES (THEORY)**

**Date: Time:**

**Paper Code: BP 206T Full Marks- 75**

**Multiple type questions (Answer all) (10 X 2) = 20**

**1. A single bacterium in the soil interacts with**

(A) The water

(B) Air

(C) Particles of soil around it

(D) All of the above

2. **The region of earth, where life exists is known as**

(A) Atmosphere

(B) Biosphere

(C) Lithosphere

(D) Hydrosphere

**3. In the biosphere energy is received from**

(A) The Sun

(B) The interior of the earth

(C) Both (A) and (B)

(D) Work

4. **The Biosphere consists of the following**

(A) Lakes

(B) Soils

(C) Solid sediments

(D) All of the above

**5. Energy \_\_\_\_\_ in an Ecosystem.**

(A) is released

(B) is absorbed

(C) flows

(D) None of the above

**6. The set of ecosystems is called a**

(A) Biome

(B) Climate

(C) Subsystem

(D) Structure

**7. The following is an example of Terrestrial Biome**

(A) Tropical rain forest

(B) Rivers

(C) Streams

(D) All of the above

**8. Terrestrial biomes have a rapid exchange of**

(A) Carbon dioxide

(B) Oxygen

(C) Water

(D) All of the above

**9. The following is an example of lentic biome**

(A) Rivers

(B) Lakes

(C) Oceans

(D) All of the above

**10. The smallest artificial ecosystems that have been known to sustain life over a long period of time are**

(A) Folsom bottles

(B) Folsom pond

(C) Folsom stream

(D) None of the above

Long Questions (Answer any two) (2 X 10) = 20

1. State the significance and scope of environmental education & give some important physical hazards and their health effects?
2. Describe the components of an environmental ecosystem? Differentiate between a biome and an ecosystem?
3. Mention the abiotic components & differentiate between primary and secondary production.
4. What is the major significance of biodiversity and the ecological succession?

  Short Questions (Answer any seven) (7 X 5) = 35

1. What is the difference between desert ecosystem & aquatic ecosystem?
2. Write the factors and prospects related to both air and water pollution?
3. **What is meant by ecological pyramid? With the help of one example each, show that pyramid of number can be both upright as well as inverted.**
4. **Differentiate between Production & decomposition?**
5. **What do you mean by “productivity of an ecosystem & What are the types of productivity also mention the factors on which productivity of an ecosystem depends?**
6. **What is decomposition – Describe the different processes involved in decomposition?**
7. **Represent schematically & describe carbon cycle in ecosystem?**
8. Explain the meaning of the food web and illustrate with a ray diagram?

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