

IASBABA TEST 41 ENVIRONMENT AND SCIENCE TECH

1. Consider the following statements regarding ecotones:

1. It is a zone of junction between two or more diverse ecosystems
2. The unique feature of well-developed ecotones is that, they never contain organisms which are entirely different from that of the adjoining communities.

Which of the statements given above is/are *incorrect* ?

- a) 1 only b) 2 only c) Both 1 and 2 d) Neither 1 nor 2

2. Consider the following statements regarding various biomes:

1. In the Taiga biome, the dominating vegetation is coniferous evergreen mostly consisting of Sal and Teak.
2. Tundra biome is devoid of trees except stunted shrubs in the southern part of tundra biome.

Which of the statements given above is/are correct?

- a) 1 only b) 2 only c) Both 1 and 2 d) Neither 1 nor 2

3. Which of the following ecological pyramid(s) is/are always upward?

- a) Pyramid of Biomass b) Pyramid of Energy c) Pyramid of Numbers d) None of the above

4. Consider the following statements regarding the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES):

1. CITES is legally binding on the parties to the convention
2. The National Legislation Project (NLP) is the CITES primary mechanism for encouraging and assisting its Parties legislative efforts.

Which of the statements given above is/are correct?

- a) 1 only b) 2 only c) Both 1 and 2 d) Neither 1 nor 2

5. Consider the following statements:

1. It is the largest wintering ground for migratory waterfowl found anywhere on the Indian subcontinent.
2. It is designated as a wetland of international importance under the Ramsar Convention.
3. The Irrawady dolphins can be found in this lake.
4. It is Asia's largest salt-water lagoon.

Which of the following lake best describes the above features?

- a) Pulicat lake b) Chilka lake c) Vembanad lake d) Sambhar lake

6. Consider the following statements regarding Eutrophication:

1. It is caused due to inadequate quantity of nutrients in the aquatic ecosystems
2. Harmful algal blooms, dead zones, and fish kills are the results of eutrophication

Which of the statements given above is/are *incorrect* ?

- a) 1 only b) 2 only c) Both 1 and 2 d) Neither 1 nor 2

7. Which of the following lake is recognised as the first Biodiversity Heritage site in India under the Biodiversity Act 2002?

- a) Wular lake b) Lonar lake c) Ameenpur lake d) None of the above

8. Consider the following statements regarding ground level Ozone:

1. Ozone that is present at the ground level is a pollutant with highly toxic effects.
2. Vehicles and Industries are the major source of ground level Ozone emissions.

Which of the statements given above is/are correct?

- a) 1 only b) 2 only c) Both 1 and 2 d) Neither 1 nor 2

9. Arrange the following ecosystems in their increasing order of net primary productivity:

1. Temperate grasslands 2. Tropical rain forests 3. Tundra

Choose the correct option from below?

- a) 2-1-3 b) 1-2-3 c) 2-3-1 d) 3-1-2

10. Consider the following statements regarding hydroponics:

1. It is a process of growing the plants without using soil.
2. The growth rate on a hydroponic plant is faster than a soil plant, grown under the same conditions.

Which of the statements given above is/are correct?

- a) 1 only b) 2 only c) Both 1 and 2 d) Neither 1 nor 2

11. Consider the following statements regarding bioremediation:

1. It is a process of degrading the environmental contaminants into less toxic forms using microorganisms
2. Oil spills can be treated with bioremediation by using microorganisms.

Which of the statements given above is/are correct?

- a) 1 only b) 2 only c) Both 1 and 2 d) Neither 1 nor 2