

IASBABA TEST 16 ENVI AND ST

1. With reference to the principle of 'Genetic Diversity', which of the following are a consequence of the former?

1. Survivability of species in changing environments
2. Beautification of the nature
3. Different coloured butterflies flying around in an area

Choose the correct answer using the codes given below

- a) 1 and 2 only b) 2 and 3 only c) 1 and 3 only d) All of the above

2. Consider the following statements regarding 'Species diversity'?

1. It is the ratio of one species population over total number of organisms across all species in the given biome.
2. 'Zero' would be infinite diversity and 'one' represents only one specie present in a biome

Choose the correct statement/s using the codes given below

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

3. One can see different types of vegetations around the world like corals, grasslands, wetlands, deserts, mangroves etc. This kind of diversity is known as -

- a) Community diversity b) Genetic diversity c) Species diversity d) None of the above

4. Consider the following pairs

List I

List II

- | | |
|--------------------|---|
| 1. Alpha diversity | A. It gives us an overall idea of diversity for a region. |
| 2. Beta diversity | B. It is the number of species in an ecosystem. |
| 3. Gamma diversity | C. It is measured as the change in amount of species between the ecosystems |

Match List I and List II correctly

- a) 1-A, 2-B, 3-C b) 1-B, 2-C, 3-A c) 1-C, 2-A, 3-B d) 1-B, 2-A, 3-C

5. In which of the following region is one expected to see 'Species Uneven-ness'?

- a) Amazon rainforest b) Sundarbans' mangrove forests
c) Atacama Desert d) Great barrier reef off Australia

6. Consider the following statements regarding the ecological 'Food Chains'

1. All the living creatures are a part of at least one food chain.
2. Every time a species becomes extinct, the food chain is strengthened by bringing closer the species involved in it.

Choose the correct statement/s using the codes given below

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

7. Which of the following functions of the biodiversity is *not* considered as a part of 'Ecosystem services' of the nature?

- a) Nutrient storage and recycling
b) Pollution breakdown and absorption
c) Recovery from unpredictable events
d) Provides food, medicinal resources and pharmaceutical drugs

8. Consider the following causes of loss of biodiversity:

- | | |
|--------------------------------------|--|
| 1. Viral diseases affecting wildlife | 2. Rivalry and competition among species |
| 3. A reservoir induced Earthquake | 4. Urban floods |

Which of the above are the examples of natural causes of biodiversity destruction?

- a) All of the above b) 1, 3 and 4 only c) 1 and 2 only d) 2 and 4 only

9. Which of the following is *not* an example of 'Ex-Situ' biodiversity conservation method?

- a) Reintroduction of an animal or plant into the habitat from where it has become extinct
b) Seed banks
c) Horticultural gardens
d) Protected forests

10. Which of the following classify to be called as 'In-Situ' methods of diversity conservation?

- | | | | |
|-------------------|----------------|-----------------------|---------------------|
| 1. National parks | 2. Sanctuaries | 3. Biosphere reserves | 4. Reserved forests |
|-------------------|----------------|-----------------------|---------------------|

Choose the correct answer using the codes given below

- a) 1, 2 and 3 only b) 2, 3 and 4 only c) 1, 3 and 4 only d) All of the above

11. Consider the following statements:

1. Botanical gardens help to study the introduction and acclimatization process of exotic plants.
2. Rescue centres, Circus and Zoological parks come under the definition of 'Zoo'. 305678

Choose the *incorrect* statement/s using the codes given below

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