

## IASBABA TEST 8 ENVI AND ST

### 11. Consider the following statements:

1. Bio-amplification is the increase in concentration of a pollutant in an organism.
  2. Bio-accumulation is the increase in concentration of a pollutant in a food chain.
  3. When a small fish eats contaminated microscopic organisms, and big fish eat the small fish, it leads to Biomagnification.
- a) 1 and 2 only      b) 2 and 3 only      c) 3 only      d) 1, 2 and 3

### 12. Atmospheric nitrogen can be fixed by which of the following method / methods?

1. Atmospheric fixation
2. Photosynthesis fixation
3. Industrial fixation
4. Bacterial fixation

Select the correct answer using the code given below:

- a) 1 and 3 only      b) 3 and 4 only      c) 1, 3 and 4 only      d) 1, 2, 3 and 4

### 13. Consider the following statements:

1. Wild fire destroys the forest and the fire leaves behind empty soil.
2. Grasses grow back first and small bushes and trees begin to colonize the area.
3. Evergreen trees develop to their fullest.
4. The short-lived and shade-intolerant evergreen trees die as the larger deciduous trees overtop them. The ecosystem is now back to a similar state to where it began.

What do the above statements represent?

- a) Primary Succession      b) Secondary Succession  
c) Autotrophic Succession      d) Heterotrophic Succession

### 14. Which of the following grasslands are correctly matched?

1. Prairies : : South America
2. Steppes : : Asia
3. Savannahs : : Africa
4. Pampas : : North America

Select the correct answer using the code given below:

- a) 1 and 4 only      b) 2 and 3 only      c) 1, 3 and 4 only      d) 1, 2, 3 and 4

### 15. If you travel through the Himalayas, you are likely to see which of the following plants naturally growing there?

1. Maple
2. Rhododendron
3. Babool

Select the correct answer using the code given below:

- a) 1 and 2 only      b) 2 only      c) 1 and 3 only      d) 1, 2 and 3

### 16. Consider the following pairs:

- | Population Interaction | Examples                     |
|------------------------|------------------------------|
| 1. Mutualism           | Plants and Mycorrhizal fungi |
| 2. Commensalism        | Sucker fish on Shark         |
| 3. Parasitism          | Sea anemone and Clown fish   |
| 4. Ammensalism         | Ticks on Dog                 |
| 5. Predation           | Lion and Zebra               |

Which of the pairs given above are correctly matched?

- a) 1, 4 and 5 only      b) 2, 3 and 4 only      c) 1, 2 and 5 only      d) 1, 3, 4 and 5

### 17. Which of the following mangroves are correctly matched?

1. Sundarbans      West Bengal
2. Bhitarkanika      Tamil Nadu
3. Godavari-Krishna      Andhra Pradesh
4. Pichavaram      Odisha

Select the correct answer using the code given below:

- a) 2 and 4 only      b) 1 and 3 only      c) 1, 3 and 4 only      d) 1, 2, 3 and 4

### 18. Which of the following is/are the ideal conditions for the formation of Coral Reefs?

1. Warm water between 21 to 29° C
2. Highly saline water
3. Abundant Plankton
4. Sunlight

Select the correct answer using the code given below:

- a) 2 and 3 only      b) 1 and 4 only      c) 1, 3 and 4 only      d) 1, 2, 3 and 4

### 19. An area in which an animal lives and moves on a daily or periodic basis is known as?

- a) Home range      b) Habitat      c) Ecological niche      d) Ecocline