

3. Estuaries create a natural barrier that absorbs the energy of the waves and prevents them from flooding cities.

Which of the above statements is/are correct?

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

- 34.** Which of the following are the abiotic components of Ecosystem?

1. Volcanoes
2. Forest Fires
3. Earthquakes
4. Sunlight

Select the correct answer using the code given below:

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

- 35.** Which of the following statements regarding biofertilizer is/are *incorrect*?

1. Biofertilizer is a substance which contains living microorganisms.
2. Biofertilizers add nutrients through the natural processes of fixing atmospheric nitrogen.
3. Biofertilizers decrease phosphorus uptake by solubilizing and releasing unavailable phosphorus.

Select the correct answer using the code given below:

- (a) 2 and 3 only
(b) 1 and 2 only
(c) 3 only
(d) None of the above

- 36.** Which of the following statements is/are correct regarding Ecological Pyramids?

1. The pyramid of number is upward in the forest ecosystem.
2. The pyramid of biomass is inverted in aquatic ecosystem.
3. Pyramid of number is inverted in grassland ecosystem.

4. Pyramid of biomass is upright in grassland ecosystem.

Select the correct answer using the code given below:

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

- 37.** Consider the following statements regarding Ecosystems:

1. It is defined as a structural and functional unit of Biosphere.
2. Everything that lives in an ecosystem is dependent on the other species
3. It consists of community of living beings only.

Which of the above statements is/are correct?

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

- 38.** Consider the following pairs:

1. Producers - Autotrophs
2. Primary Consumers - Herbivores
3. Decomposers - Saprotrophs

Which of the above pairs are correctly matched?

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

- 39.** Consider the following statements regarding Food Chain and Food Web:

1. A food chain represents only one part of the food or energy flow through an ecosystem.
2. Food web is a connection of multiple food chains whereas Food chain is a linear sequence of organisms.

Which of the above statements is/are correct?

- (a) 1 only
(b) 2 only