

1. Cell membrane is present in both the plant and animal cells.
2. Vacuoles are present only in the animal cells.
3. Cell wall is present only in the plant cells.

Which of the statements given above is/are correct?

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

Q.73) Consider the following statements with regard to Transgenic animals:

1. Their DNA has been manipulated by the addition of a foreign gene.
2. Their trade across international borders is referred to as Biopiracy.
3. They can be used for testing vaccine safety and chemical safety.

Which of the statements given above is/are correct?

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

Q.74) With the present state of development 'Quantum Communication Technology' has applications in which of the following?

1. Solving complex computing problems
2. Imaging
3. Mechanics
4. Aero Space Engineering
5. Cryptography

Select the correct answer using the code given below:

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

Q.75) Consider the following statements:

1. Fungi live in symbiosis with the plant and pass phosphorus from the soil to the plant.
2. Azotobacter and Azospirillum are free-living bacteria that fix atmospheric nitrogen in the soil.

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

Q.76) Consider the following statements regarding "Aral sea":

1. It is a saltwater lake of Central Asia.
2. It straddles the boundary between Kazakhstan to the north and Turkmenistan to the south.
3. The shallow Aral Sea was once the world's fourth largest body of inland water.

Which of the statements given above is/are correct?

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

Q.77) The below description is with regards to which of the following natural phenomenon?

1. It is caused by intense convection on moist hot days.
2. It is a well-grown cumulonimbus cloud producing thunder and lightning.
3. It is characterised by intense updrafts of rising warm air, which causes the cloud to grow bigger and rise to greater height.

Select the correct answer using codes given below:

- a) Cyclone
- b) Flash flood
- c) Cloud burst
- d) Thunderstorms

Q.78) A deep valley characterized by steep step side slopes is known as _

- a) Canyon
- b) Blind valley
- c) U-shaped valley
- d) Gorge

Q.79) Imagine you are moving from shoreline to seaward and reach in the mid-ocean. You pass through the following topography.

1. Continental Shelf
2. Continental Rise
3. Abyssal Plains
4. Continental Slope

What is the correct order of above topography from shorelines to mid ocean?

- a) 2-4-1-3
- b) 3-2-4-1
- c) 1-4-2-3
- d) 4-2-1-3

Q.80) Consider the following statements with reference to Volcanoes:

1. Composite Volcanoes are the largest of all the volcanoes on the Earth.
2. Shield volcanoes are mostly made up of basalt and are not steep.