

Question 1

Choose the correct answer out of the four available choices given below each question. [15]

1. Which of the following tissues consists of dead cells?

- (a) Sclerenchyma
- (b) Parenchyma
- (c) Collenchyma
- (d) Aerenchyma

2. Tendons connect _____ to _____.

- (a) Muscles to bones
- (b) Muscles to skin
- (c) Bones to skin
- (d) Muscles to muscles

3. Fluid connective tissue in humans is

- (a) Blood and cartilage
- (b) Lymph and plasma
- (c) Blood and lymph
- (d) Bone and cartilage

7. Carbohydrates are stored by the plants in the form of

- (a) Vitamins
- (b) Fats
- (c) Proteins
- (d) Starch

8. Which of the following refers to the energy currency of the cell?

- (a) ATP
- (b) ADP
- (c) NADH
- (d) NADP

9. Which of following tissues stores fats?

- (a) Areolar tissue
- (b) Adipose tissue
- (c) Epithelial tissue
- (d) Ligaments

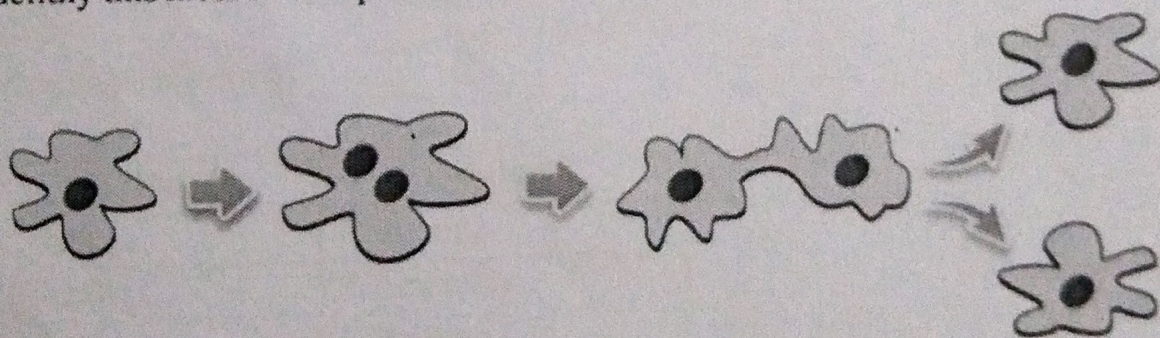
10. Which of the following chemicals is added during respiration experiments to prevent bacterial growth on dead seeds?

- (a) Citric acid
- (b) Carbolic acid
- (c) Pyrogalllic acid
- (d) Potassium permanganate

12. Excretion in Amoeba takes place with the help of _____.

- (a) Food vacuole
- (b) Contractile vacuole
- (c) Pseudopodia
- (d) Cilia

13. Identify this method of reproduction.



- (a) Multiple fission
- (b) Fragmentation
- (c) Binary fission
- (d) Segmentation

Qa) Meristematic cells have a prominent ~~cytoplasm~~ ^{nucleus} and dense ~~cytoplasm~~ cytoplasm but they lack vacuole.

Ans) Meristematic cells are continuously dividing cells so they have a prominent nucleus and dense cytoplasm. But since these cells do not store food material or waste material they lack vacuole.

8. The main characteristics of amphibians which help to differentiate them from fish are:

(i) Can live in water as well as on land.

(ii) Lay their eggs in water.

(iii) Body covered by a slimy and slippery skin.

(iv) Breathe through lungs and skin.

9. Fishes are said to have:

streamlined body (they are narrow at both ends) because it helps fishes to swim more efficiently and with more speed and also reduce force to swim in forward direction.

Fishes breathe through their gills.

10) Animals with jointed legs

(i) Body is divided into three regions - head, thorax and abdomen. In most cases the body is covered by a tough covering of chitin.

(ii) Body has jointed legs. They are further divided into four classes:

(a) Crustacea: - Head and thorax are fused have many jointed legs. Mainly live in water.

Examples - crabs, shrimps, lobsters, prawn etc.

(b) Myriapoda: - Body is divided into many segments one or two pairs of legs on each segment.