

# MHT CET 2024 PCB April 29 Shift 2 Question Paper

1. The cells that usually store fats in animals' bodies are \_\_\_\_\_.

2. Humification results in the formation of \_\_\_\_\_ substance called humus.

3. Out of 95% of <sup>surplus</sup> ~~sulfur~~ water lost by plants in the atmosphere through aerial parts, the water lost in liquid form constituents is \_\_\_\_\_.

4. After four successive mitotic divisions of cell arithmetic growth pattern the total number of cells that have lost the ability of cell division is/are \_\_\_\_\_.

5. Select the correct statements :

- 1) The air sac of each tertiary bronchi shows 10 to 12 alveoli.
- 2) Each alveolus is surrounded by a network of capillaries.
- 3) They are lined by ciliated pseudostratified epithelium.
- 4) They provide surface area for the exchange of gases.
- 5) There are about 700 million alveoli.

Which of the following cases decreases blood pressure ?

- A** Blood loss in accident.
- B** Inelasticity of blood vessels.
- C** Increase in peripheral resistance.
- D** Increase in secretion of ADH.

6.

Which pair of glands are dual in origin :

- A** Adrenal gland and Placenta
- B** Pituitary gland and Adrenal gland
- C** Thyroid gland and Pituitary gland
- D** Pituitary gland and pineal gland

7.

Two pollen grains consist of \_\_\_\_\_.

- A** One vegetative and one male gamete
- B** Two male gametes
- C** One vegetative cell and one generative cell
- D** One generative cell and one male gamete

8.

Crystalline structure, sweet taste, and water solubility are characteristic features of \_\_\_\_\_?

9.

Nonliving pair of colloid aggregation of lipids are proteinoids are \_\_\_\_\_ and \_\_\_\_\_ respectively.

10.

Most abundant glial cells of CNS are \_\_\_\_\_?

11.

Exudation of xylem sap at the cut ends of the stem is due to \_\_\_\_\_ pressure.

12.

A new breed of sheep developed from the crossing of Bikaneri is \_\_\_\_\_.

13.

**Match the following :**

**'Animal'**

**'Excretory Organs'**

**Earthworm**

**Tube feet**

**Crustaceans**

**Metanephridia**

**Insects**

**Green gland**

**Echinoderms**

**Malpighian tubules**

14.

During DNA replication, the breaking of hydrogen bonds between two parental strands and their unwinding is catalyzed by \_\_\_\_\_ enzymes.

15.

The incubation period in syphilis is normally \_\_\_\_\_.

16.

The presence of large odour and dull flowers are seen in which type of pollination.

17.

Sequence from fertilization to Gestation.

18.

How many atp are used in glycolysis.

19.

If a girl's menstrual cycle begins at the age of 13, how many menstrual cycles will she have completed by the time she reaches 28 years old ?

20.