

# MHT CET 2024 Question Paper ( 29 April - Shift 2 )

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**Ques 1. The cells that usually store fats in animals' bodies are**

**Answer:** Adipocyte

**Ques 2. Humification results in the formation of substance called humus.**

**Answer:** Amorphous

**Ques 3. Out of 95% of sulfur water lost by plants in the atmosphere through aerial parts, the water lost in liquid form constituents is**

**Answer:** Guttation

**Ques 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**

**Answer:** 4

**Ques 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.

**Answer:** 1, 2, 4, 5

**Ques 6. 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.**

**Answer: A**

**Ques 7. 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**

**Answer: B**

**Ques 8. 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**

**Answer: C**

**Ques 9. Crystalline structure, sweet taste, and water solubility are characteristic features of \_\_\_\_\_ ?**

**Answer: Monosaccharides**

**Ques 10. Nonliving pairs of colloid aggregation of lipids are \_\_\_ and proteinoids are respectively.**

**Answer: Micelles, Coacervates**

**Ques 11. Most abundant glial cells of CNS are ?**

**Answer:** Astrocytes

**Ques 12.** Exudation of xylem sap at the cut ends of the stem is due to pressure.

**Answer:** Root

**Ques 13.** A new breed of sheep developed from the crossing of Bikaneri is \_\_\_\_\_ .

**Answer:** Crossbred sheep

**Ques 14.** Match the following

Animal	Excretory Organs
Earthworm	Green gland
Crustaceans	Metanephridia
Insects	Tube feet
Echinoderms	Malpighian tubules

**Ans.** 1-b, 2- a, 3- d, 4- c

**Ques 15.** During DNA replication, the breaking of hydrogen bonds between two parental strands and their unwinding is catalyzed by \_\_\_\_\_ enzymes.

**Answer:** Helicase

**Ques 16.** The incubation period in syphilis is normally

**Answer:** 3-4 weeks

**Ques 17. The presence of large odour and dull flowers are Seen in which type of pollination.**

**Answer:** Entomophilous

**Ques 18. Sequence from fertilization to Gestation.**

**Answer:** zygote – Morula – Blastula–Gastrula

**Ques 19. How many atp are used in glycolysis.**

**Answer:** 2 ATP

**Ques 20. 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 ?**

**Answer:** 208

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