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

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?

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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 ?

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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

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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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