

MHT CET 2024 PCB April 29 Shift 2 Answer Key

The cells that usually store fats in animals' bodies are _____.

1.

Answer: Adipocyte

Humification results in the formation of _____ substance called humus.

2.

Answer: Amorphous

Out of 95% of ^{surplus} water lost by plants in the atmosphere through aerial parts, the water lost in liquid form constituents is _____.

3.

Answer: Guttation

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

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.

5.

Answer: 1, 2, 4, 5

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.

Answer: A

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.

Answer: B

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.

Answer: C

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

9.

Answer: Monosaccharides

Nonliving pair of colloid aggregation of lipids are proteinoids are _____ and _____ respectively.

10.

Answer: Micelles, Coacervates

Most abundant glial cells of CNS are _____?

11.

Answer: Astrocytes

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

12.

Answer: Root

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

13.

Answer: Crossbred sheep

Match the following :

'Animal'

'Excretory Organs'

Earthworm

Tube feet

Crustaceans

Metanephridia

Insects

Green gland

Echinoderms

Malpighian tubules

14.

Answer: Crustaceans: Green gland
Earthworm: Metanephridia
Echinoderms: Tube feet
Insects: Malpighian tubules

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

15.

Answer: Helicase

The incubation period in syphilis is normally _____.

16.

Answer: 3-4 weeks

17.

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

Answer: Entomophilous

18.

Sequence from fertilization to Gestation.

zygote → morula → Blastula
↓
Gastrula

Answer:

19.

How many atp are used in glycolysis.

Answer: 2 ATP

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