MHT CET 2024 Question Paper

(April 24 - Shift 2)

Biology

Ques 1. Phenylketonuria is caused by

Ans. Phenylalanine hydroxylase (PAH)

Ques 2. Arrange meninges in outer to inner order

Ans. Dura mater, Arachnoid, Pia mater

Ques 3. Which hormones do stimulate the production of pancreatic juice and bicarbonate?

Ans. Cholecystokinin (CCK) and secretin

Ques 4. Arrange the following menstrual phases in order.

Ans. Menstruation, Follicular phase, Ovulation and Luteal phase

Ques 5. Last electron acceptor in ETS is

Ans. Oxygen (02)

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Ques 6. Which of the following reverse the apical dominance. 1. Auxin, 2. Cytokinin, 3. Gibberellin.

Ans. 2) Cytokinin

Ques 7. From where female gametophyte does not developed from
A megaspore mother cell
B nucellus
C megaspore
D microspre mother cell

Ans. D

Ques 8. Inorganic phosphate involved in which step of respiration ?

Ans. Glycolysis

Physics

Ques 1. A vessel completely filled with water has holes A and B at depths h and 3h from the top respectively Hole A is a square of side L and B is circle of radius r the water flowing out per second from both the holes is same then L is equal to

Ans. $L= 3^{1/4}\ \pi^{1/2}\ r$

Ques 2. A cylinder of fixed capacity 67.2 litres contains helium gas at STP the amount of heat needed to rise the temperature of the gas in the cylinder by 20° C is

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Ans. 747.9 J

Chemistry

Ques 1. Affinity of Hb towards CO, CO_2, O_2 (Arrange in increasing order).

Ans. CO> CO_2> O_2

Ques 2. Boron has two isotopes with atomic masses 10 and 11 if it's average atomic mass is 10.81 the abundance of lighter isotope is

Ans. 19

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