

MHT CET 2026 Biology memory Based Question paper PDF

Biology

1. Which animal possesses the most primitive nervous system?
 - (a) Earthworm
 - (b) Hydra
 - (c) Frog
 - (d) Human
2. Which plant hormone is primarily responsible for apical dominance?
 - (a) Cytokinin
 - (b) Auxin
 - (c) Gibberellin
 - (d) Ethylene
3. Which antibody is most abundant in human colostrum?
 - (a) IgG
 - (b) IgA
 - (c) IgM
 - (d) IgE
4. What is the interaction where one species is harmed and the other is unaffected?
 - (a) Mutualism
 - (b) Commensalism
 - (c) Amensalism
 - (d) Parasitism
5. What is the volume of air remaining in the lungs after forceful expiration called?
 - (a) Tidal Volume
 - (b) Vital Capacity
 - (c) Residual Volume (RV)
 - (d) Inspiratory Capacity
6. Which part of the brain is responsible for maintaining posture and equilibrium?
 - (a) Cerebrum
 - (b) Cerebellum
 - (c) Medulla Oblongata
 - (d) Hypothalamus

Physics

7. If the distance between two charges is doubled, what happens to the Coulomb force?
- (a) It becomes double
 - (b) It becomes four times
 - (c) It becomes half
 - (d) It becomes one-fourth
8. What is the formula for centripetal acceleration?
- (a) $a = \frac{v}{r}$
 - (b) $a = \frac{v^2}{r}$
 - (c) $a = vr$
 - (d) $a = \frac{r}{v^2}$
9. Which law states that magnetic susceptibility is inversely proportional to absolute temperature?
- (a) Ohm's Law
 - (b) Curie's Law
 - (c) Faraday's Law
 - (d) Gauss's Law
10. What is the SI unit of Magnetic Induction?
- (a) Weber
 - (b) Tesla (T)
 - (c) Henry
 - (d) Ampere

Chemistry

11. What is the oxidation state of Chlorine in Cl_2O_7 ?
- (a) +1
 - (b) +3
 - (c) +5
 - (d) +7
12. What is the hybridization of the carbon atom in CO_2 ?
- (a) sp^3
 - (b) sp^2
 - (c) sp
 - (d) sp^3d
13. What is the stability order of carbocations?
- (a) Primary > Secondary > Tertiary
 - (b) Secondary > Primary > Tertiary
 - (c) Tertiary > Secondary > Primary

- (d) Primary > Tertiary > Secondary
14. What is the product of the reaction between Phenol and concentrated HNO_3 ?
- (a) Nitrobenzene
 - (b) Picric Acid (2,4,6-trinitrophenol)
 - (c) Aniline
 - (d) Benzaldehyde
15. What is the Van't Hoff factor (i) for a non-electrolyte?
- (a) 0
 - (b) 1
 - (c) 2
 - (d) 3

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