

MHT CET 2026 Biology Memory Based Question Paper PDF

Biology

1. Which plant hormone is mainly responsible for fruit ripening?
 - (a) Auxin
 - (b) Cytokinin
 - (c) Ethylene
 - (d) Gibberellin
2. The functional unit of kidney is: ----.
 - (a) Neuron
 - (b) Nephron
 - (c) Glomerulus
 - (d) Bowman capsule
3. In Hardy–Weinberg equilibrium, the sum of gene frequencies is: ----.
 - (a) 0
 - (b) 1
 - (c) 2
 - (d) 100
4. Which blood group is called universal recipient?
 - (a) O
 - (b) A
 - (c) B
 - (d) AB
5. The site of light reaction in photosynthesis is: ----.
 - (a) Stroma
 - (b) Cytoplasm
 - (c) Grana
 - (d) Ribosome

Chemistry

6. The IUPAC name of $\text{CH}_3\text{-CH}_2\text{-CHO}$ is: ____.
- (a) Propanal
 - (b) Propanone
 - (c) Propanoic acid
 - (d) Ethanal
7. Which of the following shows maximum hydrogen bonding?
- (a) HF
 - (b) HCl
 - (c) HBr
 - (d) HI
8. pH of a neutral solution at 25°C is: ____.
- (a) 0
 - (b) 5
 - (c) 7
 - (d) 14
9. The hybridization of carbon in ethene is: ____.
- (a) sp
 - (b) sp^2
 - (c) sp^3
 - (d) dsp^2
10. Which metal is extracted by electrolysis?
- (a) Iron
 - (b) Zinc
 - (c) Sodium
 - (d) Copper

Physics

11. SI unit of electric field is: ____.
- (a) Coulomb
 - (b) Volt
 - (c) Newton/Coulomb
 - (d) Joule
12. The dimensional formula of force is: ____.
- (a) $[\text{MLT}^1]$
 - (b) $[\text{ML}^2\text{T}^2]$
 - (c) $[\text{MLT}^{-2}]$

- (d) $[MLT^2]$
13. The escape velocity of Earth is nearly: ----.
- (a) 5.6 km/s
 - (b) 7.9 km/s
 - (c) 11.2 km/s
 - (d) 15 km/s
14. According to Ohm's law: ----.
- (a) $V \propto I$
 - (b) $V \propto 1/I$
 - (c) $R \propto I$
 - (d) $P \propto V$
15. The energy of photon is given by: ----.
- (a) $E = mc^2$
 - (b) $E = h\nu$
 - (c) $E = F/q$
 - (d) $E = qV$