

MHT CET 2026 Biology Memory Based Question Paper PDF

Biology

1. What is the primary site of sperm production?
 - (a) Epididymis
 - (b) Vas deferens
 - (c) Seminiferous tubules
 - (d) Prostate gland
2. Which hormone is primarily responsible for the relaxation of pelvic ligaments during childbirth?
 - (a) Estrogen
 - (b) Progesterone
 - (c) Relaxin
 - (d) Oxytocin
3. The interaction where one species is harmed and the other is unaffected is called?
 - (a) Mutualism
 - (b) Commensalism
 - (c) Amensalism
 - (d) Parasitism
4. Which respiratory volume cannot be measured using a simple spirometer?
 - (a) Tidal Volume
 - (b) Inspiratory Reserve Volume
 - (c) Expiratory Reserve Volume
 - (d) Residual Volume
5. What is the vector responsible for transmitting Filariasis?
 - (a) Female Anopheles mosquito
 - (b) Female Culex mosquito
 - (c) Aedes mosquito
 - (d) Sandfly
6. Which part of the brain acts as the primary regulator for body temperature and hunger?
 - (a) Cerebellum
 - (b) Hypothalamus
 - (c) Medulla oblongata
 - (d) Cerebrum

7. How many ATP molecules are net gained during Glycolysis?

- (a) 2 ATP
- (b) 4 ATP
- (c) 6 ATP
- (d) 8 ATP

Chemistry

8. What is the oxidation state of Phosphorus in H_3PO_4 ?

- (a) +3
- (b) +5
- (c) +1
- (d) +7

9. Which catalyst is used in the Rosenmund Reduction?

- (a) Pd-BaSO₄
- (b) Ni catalyst
- (c) Pt catalyst
- (d) Cu catalyst

10. What is the Effective Atomic Number (EAN) of $\text{Fe}(\text{CN})_6^{4-}$?

- (a) 34
- (b) 36
- (c) 38
- (d) 40

11. What are the repeating monomer units of Nylon-6,6?

- (a) Ethylene glycol and Terephthalic acid
- (b) Adipic acid and Hexamethylenediamine
- (c) Caprolactam
- (d) Styrene

Physics

12. What is the formula for the escape velocity of a body from Earth's surface?

- (a) $\sqrt{gR}$
- (b) $\sqrt{2gR}$
- (c) $\sqrt{g/2R}$
- (d) $2gR$

13. What is the relation between the height h and the range R when a projectile is fired at 45° ?

- (a) $R = h$
- (b) $R = 2h$
- (c) $R = 4h$

- (d) $R = 8h$
14. What is the SI unit of Luminous Intensity?
- (a) Lux
 - (b) Candela
 - (c) Lumen
 - (d) Watt
15. In a stationary wave, what is the distance between a node and an adjacent antinode?
- (a) $\lambda/2$
 - (b) $\lambda/4$
 - (c) $\lambda/8$
 - (d) λ

