

CBSE TEST – 1**Section – A : (1 × 6 = 6)****M.M : 60**

1. Name any one purine & pyrimidine with its structure?
2. Name sulphur containing amino acids.
3. What are cofactors & coenzymes? Give examples?
4. Where are following found?
(a) Glycosidic bond (b) Ester bond (c) Peptide bond
5. What do you mean by sense and missense DNA chains?
6. What are ribozymes?

Section – B : (2 × 4 = 8)

7. Which for of DNA is right handed? How many base pairs are present in A, B, C, Z-DNA?
8. What are inhibitors? Explain different types of inhibition.
9. Explain the principle of ECG and which waves represents what?
10. The functioning of the kidney is efficiency monitored and regulated by HORMONAL FEEDBACK MECHANISMS involving hypothalamus, pituitary, JGA explain.

Section – C : (3 × 7 = 21)

11. Explain the meninges of brain?
12. Explain the role of Vit-K in blood clotting? What is factor I, II, III, IV, IX, X
13. Explain the working of PHOTORECEPTORS present in eye?
14. Explain the Glands present in body? Exocrine, Endocrine, Heterocrine.
15. What is the function of pineal gland?
16. Explain the working of pancreas? And the hormones.
17. Explain the working of placenta? Which hormones are released and the functioning of them.

Section – D : (5 × 5 = 25)

18. Explain the working of central nervous systems? The entire structure of brain?

OR

Explain the working of cranial nerves?

19. Explain the functioning of PITUITARY gland? And the hormones released?

OR

Explain the working of THYROID gland.

20. Explain the working of Adrenals.
21. Give differences between : (a) Actin and Myosin (b) Blind spot & Yellow spot
22. Describe the role of P₇₀₀ in cyclic electron transport pathway?

OR

Explain the phases of mitosis & meiosis? Mention the checkpoints of cell cycle?