



1. State the hormones secreted by the thyroid gland. Describe the stages in the biosynthesis of thyroid hormone.
2. Define carbohydrates. Classify them with suitable examples.

SHORT ESSAY

10 X 5 = 50 Marks

3. Describe the regulation of salivary secretion.
4. List the gastro-intestinal hormone. Explain the action of gastrin.
5. Describe the digestion and absorption of proteins.
6. Define spermatogenesis. Describe the stages of spermatogenesis.
7. Define and classify the synapse. Describe the mechanism of synaptic transmission.
8. Trace the tract of Gall and Burdach. Enumerate its functions.
9. Explain the visual pathway with a neat diagram.
10. Describe the mechanism of hormone action.
11. Describe the functions and deficiency of Vitamin D.
12. Define BMR. Write the factors affecting BMR.

SHORT ANSWERS

10 X 3 = 30 Marks

13. Define neuron. Classify neuron.
14. Classify memory. Outline the mechanism of long-term memory.
15. Write the functions of Rods and Cones.
16. State the tympanic reflex. Mention its significance.
17. Mention the hormones regulating the lactation.
18. List the functions of testosterone.
19. Name the essential amino acids.
20. Write the cause and clinical manifestation of Nyctalopia.
21. What is hyperglycaemia? Mention two causes of hyperglycaemia.
22. Classify enzymes.

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