



1. Write in detail the synthesis, metabolism and functions of testosterone.
2. Define Proteins. Explain their classification with suitable examples.

SHORT ESSAY

10 X 5 = 50 Marks

3. Explain the regulation of growth hormone secretion.
4. Explain the functions of thyroxin.
5. Describe the physiological basis for Addison's disease in detail.
6. Enumerate the properties of Nerve fibers.
7. Define Receptors. Describe the pathways for touch sensation.
8. Describe the phases of gastric secretion.
9. What are bile pigments? How is it formed and circulated?
10. Explain the deglutition reflex.
11. Explain the Regulation of Blood Glucose. What is the Normal Blood Glucose level?
12. Discuss the biosynthesis of Cholesterol.

SHORT ANSWERS

10 X 3 = 30 Marks

13. Explain the role of oestrogen during parturition.
14. Write a note on dopamine.
15. Define Synapse. Classify synapse.
16. List the neurotransmitters of central nervous system.
17. List the digestive enzymes of Succus entericus.
18. What are the actin and myosin filaments?
19. Define Refractory Period. Explain the types of refractory periods.
20. What are Ketosis, Ketonemia and Ketonuria?
21. Write a note on Duchene Muscular Dystrophy.
22. Write a note on lactic acidosis.

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