

Subject Title: Physiology and Clinical Biochemistry.

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Year:III

Semester: V

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Unit - I: Physiology**Essay Questions**

1. Write about the structure, Types and Mechanism of muscle contraction?
2. Write briefly about the structure of heart and explain the cardiac cycle?
3. Define Nerve impulse? Write about the propagation of nerve impulse?
4. Write briefly about the coagulation of blood?

Short Answers

5. Physiology of vision
6. Structure of Hemoglobin & its Function.
7. Composition of blood.
8. Digestion of proteins
9. Digestion of Carbohydrates

Unit - II:Endocrinology**Essay Questions**

10. Write about the mechanism of hormones?(Steroid, Peptide, Hormones)
11. Write about physiology role & disorders of Thyroid?
12. Write about physiology role & disorders of growth hormones?
13. Write about physiology role & disorders of hormones of Gonads?
14. Write about physiology role & disorders of hormones of Adrenals?

Short Answers

15. Hormones of Gastrointestinal tract.
16. Hormones of Parathyroid.
17. Hormones of placenta

Unit – III: Organs & Organ Function Tests

Essay Questions

18. Write briefly about the structure & function of liver?
19. Write briefly about the structure of Nephron? Explain the mechanism of urine formation?
20. Explain the various liver functioning test & its importance?
21. Explain the various kidney functioning test & its importance?
22. Explain the role of kidneys in maintaining acid base & electrolyte balance?

Short Answers

23. Abnormal Constituents of urine
24. Cardiac troponins
25. Biological Buffers
26. Serum enzymes in heart diseases
27. Serum enzymes in liver diseases

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