



BIOCHEMISTRY - I

Q.P. CODE : 9671

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary. **Section A and section B are to be written in same Answer Book**

Section A - Clinical Biochemistry [50 marks]

LONG ESSAY

1 X 20 = 20 Marks

1. Define and classify carbohydrates and add note on isomerism properties shown by monosaccharide's in detail.

SHORT ESSAY

5 X 6 = 30 Marks

2. Classify proteins depending on their function with examples
3. Describe the role of enzymes in Diagnosis of Clinical Disorders
4. Liver Function Tests (LFT)
5. Describe the composition & analysis of cerebrospinal fluid
6. Classify lipids with examples. Write a note on functions of lipids

Section B - Biomedical Techniques & Lab. Management [50 marks]

LONG ESSAY

1 X 20 = 20 Marks

7. What is chromatography Write a note on principle and procedure of HPLC

SHORT ESSAY

5 X 6 = 30 Marks

8. Agarose gel Electrophoresis
9. Oxidative Phosphorylation
10. External & Internal Quality Control
11. Procedure for Disposal of Biomedical Waste
12. Ultracentrifuge & its Applications

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