



BIOCHEMISTRY – II

Paper – II (Revised Scheme – 2)

Q.P. CODE: 9815

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

LONG ESSAY

2 X 20 = 40 Marks

1. Discuss the metabolism of phenylalanine and tyrosine. Describe the inborn errors associated with its metabolism.
2. Explain the formation of uric acid. Explain the qualitative and quantitative methods of estimation of uric acid. Add a note on its clinical significance and mention its normal serum levels.

SHORT ESSAY

6 X 10 = 60 Marks

3. Describe Gestational Diabetes Mellitus. Add a note on screening and diagnosis of GDM.
4. Classify Plasma Lipoproteins and mention their functions. Explain the association of lipids and lipoproteins with coronary artery disease. Describe the use of lipoprotein electrophoresis in the diagnosis of various disorders.
5. Describe isoenzymes and its clinical significance with examples.
6. Discuss the metabolism of Calcium.
7. Photometry and Nephelometry
8. Write briefly about Free radicals and Antioxidants.

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