

Rajiv Gandhi University of Health Sciences
II Year M.Sc. (MLT) Degree Examination - OCT-2019

[Time: 3 Hours]

[Max. Marks: 100]

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. Describe the various types of Enzyme inhibition. Add a note on clinical importance of Competitive inhibition.
2. Classify Lipoproteins based on Ultracentrifugation and electrophoretic mobility. Discuss the metabolism of LDL. Give an account of involvement of LDL cholesterol in Atherosclerosis.

SHORT ESSAY

6 X 10 = 60 Marks

3. Discuss the biochemical functions and deficiency manifestations of Vitamin A.
4. Nephelometry and Turbidimetry
5. What are free radicals? Discuss free radicals under the following headings (a) Generation (b) Damage caused (c) Scavenger systems.
6. Discuss the functions and regulation of plasma Calcium level.
7. Describe the metabolic changes and complications of Diabetes mellitus. Add a note on Gestational Diabetes mellitus.
8. Define enzymes. Write the factors affecting Enzyme activity.
