

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

[Time: 3 Hours]

[Max. Marks: 100]

**BIOCHEMISTRY – II****Paper - I (Revised Scheme – 2)****Q.P. CODE: 9814**

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. Give an account of various tests to assess liver function.

**SHORT ESSAY****3 X 10 = 30 Marks**

2. Describe the clinical utility of Cardiac markers in diagnosis and management.
3. What are Renal calculi? Mention its types. Describe the lab analysis of renal calculi.
4. Hemoglobinopathy

**Section B – Laboratory Management [50 marks]****LONG ESSAY****1 X 20 = 20 Marks**

5. Discuss the various aspects of Automation of a clinical lab.

**SHORT ESSAY****3 X 10 = 30 Marks**

6. Describe the analytical methods and clinical utility of Therapeutic Drug Monitoring.
7. Laboratory Information System
8. Define reference interval. Explain different methods to establish reference intervals. Add a note on its diagnostic efficacy.

\*\*\*\*\*