



SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH
(A DEEMED TO BE UNIVERSITY)

M.Sc. Medical Laboratory Technology (Semester-II)
March 2024 Examination

[Max. Marks :100]

Time : 3 Hrs.

Sec-A
Clinical Biochemistry
Q.P Code: M2045

50 Marks

(Use separate answer booklet for Section A & B)
Your answers should be specific to the questions asked.
Draw neat labelled diagrams wherever necessary.

LONG ESSAY

1 X 20 = 20 Marks

1. Explain Bilirubin metabolism. Classify the different types of jaundice with suitable examples. What are the biochemical findings in the different types of jaundice (10+5+5).

SHORT ESSAY

3X 10 = 30 Marks

1. List the various constituents present in normal urine. Explain the principle and clinical significance of the various qualitative tests used for identification of inorganic constituents
2. Explain the mechanism of HCl secretion. How is secretion of gastric juice regulated
3. Describe the type of specimen to be collected, the methods of analysis, biological reference range and clinical correlation of Sodium and Potassium.

Sec-B

50 Marks

Biomedical Techniques & Laboratory management
(Use separate answer booklet for Section A & B)
Q.P Code: M2046

LONG ESSAY

1 X 20 = 20 Marks

1. Explain in detail the various techniques of protein purification

SHORT ESSAY

3X 10 = 30 Marks

1. Describe the components of the Electron transfer chain and explain the flow of electrons through the ETC.
2. Give the features of the Hospital management system (HMS)
3. Explain uses of computers in Quality control and laboratory management.

* * *