

Rajiv Gandhi University of Health Sciences, Karnataka
Third Year B.Sc. Medical Laboratory Technology Degree Examination – 22-Nov-2024

Time: Three Hours

Max. Marks: 100 Marks

BIOCHEMISTRY – III (RS-4)

Q.P. CODE: 3282

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

LONG ESSAYS (Second Question Choice)

2 x 10 = 20 Marks

1. Give a detailed account of cholesterol metabolism
2. Describe the process of pH regulation in the body

OR

Explain the principle, instrumentation and applications of HPLC

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Replication of DNA
4. Composition and formation of renal calculi
5. Laboratory design

OR

Liver marker enzymes

6. ELISA
7. Hyperlipoproteinemias
8. Pancreatic function tests
9. Biological reference intervals
10. Functions of plasma proteins

OR

Capillary electrophoresis

11. Catabolism of branched chain amino acids
12. Ion selective electrodes

SHORT ANSWER

10 x 3 = 30 Marks

13. Isoenzymes
14. Lipid profile
15. Important products formed from tyrosine
16. Normal level of thyroid hormones
17. Explain pre analytical variables
18. CRP
19. Phenyl Ketonuria
20. Preparation of calibration curve
21. Point of care testing
22. Name the pyrimidine nucleotides
