

Rajiv Gandhi University of Health Sciences, Karnataka
Third Year B.Sc. Medical Laboratory Technology Degree Examination – 30-May-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. Explain in detail the process of clinical laboratory automation
2. Enumerate the functions of thyroid hormones. Describe the various thyroid function tests

OR

Explain about electrophoretic separation of plasma proteins

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Laboratory safety measures
4. Quantitative analysis of CSF and its clinical interpretation
5. Jaundice

OR

High performance liquid chromatography

6. Atherosclerosis and coronary artery diseases
7. HMP shunt pathway and its significance
8. Quality control charts
9. Diagnostic and prognostic use of cardiac markers
10. Osmometry

OR

Acid base disorders

11. Glycogen storage disorder
12. Colour codes of vacutainer tubes and its uses

SHORT ANSWER

10 x 3 = 30 Marks

13. Lesch Nyhan syndrome
14. Gout
15. Creatinine clearance test
16. Function of lipoproteins
17. Chemiluminescence
18. HbA1c
19. Maple syrup urine
20. Isoenzyme
21. Name the branched chain amino acids
22. Enzymes involved in DNA replication
