

Rajiv Gandhi University of Health Sciences, Karnataka
Second Year B.Sc. Medical Laboratory Technology Degree Examination – 21-Nov-2024

Time: Three Hours

Max. Marks: 100 Marks

BIOCHEMISTRY – II (RS-4)

Q.P. CODE: 3279

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. Enumerate the types of laboratory balance. Explain the components and working of analytical balance with a neat diagram
2. Give an account of the types, clinical manifestations, diagnosis and management of diabetes mellitus

OR

Explain the various methods of blood collection techniques

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Properties of monosaccharides
4. SI units
5. Preparation of 10% NaOH solution
6. Principle and applications of paper chromatography
7. Glucometers
8. Urine sample collection, storage and preservation
9. Centrifuge
10. Denaturation of proteins

OR

Therapeutic role of enzymes

11. Oral glucose tolerance test
12. Competitive inhibition

SHORT ANSWER

10 x 3 = 30 Marks

13. Glycosides
14. Ketosis
15. Isoelectric pH
16. Saturated and supersaturated solutions
17. Sugar acids
18. Different types of pipettes
19. Dessicator
20. Enumerate the different methods of blood urea estimation
21. Cuvettes
22. Invert sugar
