

Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. (MLT) Degree Examination - 30-May-2024

Time: Three Hours

Max. Marks: 80 Marks

BIOCHEMISTRY – PAPER III (RS-3)

Q.P. CODE: 3159

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAY (Any Two)

2 x 10 = 20 Marks

1. Give a detailed account of lipoprotein metabolism.
2. Write the sources, RDA, chemistry, mechanism of absorption, biochemical functions, deficiency manifestations and toxicity symptoms of vitamin A.
3. Explain the various aspects of clinical laboratory automation.

SHORT ESSAY (Any Six)

6 x 5 = 30 Marks

4. ELISA
5. Explain transcription.
6. Metabolism of galactose and its associated disorders
7. Acid Base disorders
8. Types of Mutations
9. Laboratory evaluation of cardiac markers
10. Jaundice
11. Westgard Rules

SHORT ANSWERS (Any Ten)

10 x 3 = 30 Marks

12. Albumin
13. Tetany
14. Functions of cholesterol
15. Biological reference intervals
16. RDA
17. Normal serum values of: (a) potassium (b) sodium (c) chloride
18. β -Human Chorionic Gonadotropin
19. Anion gap
20. Units of enzyme activity
21. Explain: (a) Accuracy (b) Precision (c) Specificity.
22. C-reactive protein
23. Composition of gall stones
