



Rajiv Gandhi University of Health Sciences, Karnataka
I Year B.P.T. Degree Examination – 27-Nov-2023

Time: Three Hours

Max. Marks: 80 Marks

BIOCHEMISTRY (RS-5)

Q.P. CODE: 2733

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

LONG ESSAYS (Answer any One)

1 x 10 = 10 Marks

1. Explain the different types of enzyme inhibition with suitable examples.
2. Describe in detail the chemistry, sources, daily requirement, biochemical functions and deficiency manifestations of Vitamin D.

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

3. Beta oxidation.
4. Phospholipids.
5. Structural classification of amino acids.
6. Explain the Watson and Crick model of DNA.
7. Glycogen storage disorders.
8. Explain the mechanism of absorption of iron. Add a note on deficiency manifestations.
9. Hormonal regulations of blood glucose.
10. Mucopolysaccharides.
11. Biochemical functions of Vitamin A
12. Classify enzymes with suitable examples.

SHORT ANSWERS

10 x 3 = 30 Marks

13. Essential fatty acids.
14. Scurvy.
15. Balanced diet.
16. Mitochondria.
17. Respiratory acidosis.
18. Normal level of urea and creatinine.
19. Calorific value.
20. Cori's cycle.
21. Collagen.
22. Ketone bodies.
