

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.P.T. Degree Examination – 03-Jun-2024

Time: Three Hours

Max. Marks: 80

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. Mention the source, daily requirement, functions and deficiency symptoms of calcium
2. Discuss in detail of liver function test

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

3. How are carbohydrates classified and write examples for each and briefly about Mucopolysaccharides
4. Role of kidney in acid base balance
5. Enzyme inhibition
6. BMR
7. Structural classification of protein
8. Urea cycle
9. Difference between DNA and RNA
10. Muscle contraction
11. Hormonal regulation of glucose in the body and briefly explain glucose tolerance test
12. Glycolysis and energetics

SHORT ANSWERS

10 x 3 = 30 Marks

13. Glycosuria
14. Lactose intolerance
15. Mitochondria
16. Active transport
17. Functions of cholesterol
18. Essential and non-essential amino acid with examples
19. tRNA
20. Cofactors
21. Diabetic mellitus
22. Fatty liver
