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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.P.T. Degree Examination - 28-Jan-2021

Time: Three Hours **Max. Marks: 80 Marks**

BIOCHEMISTRY (RS5)
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. Give an account of chemistry, sources, daily requirement, biochemical functions, deficiency manifestations of Vitamin A.
2. Describe in detail the types of diabetes mellitus. Add a note on glucose tolerance test.

SHORT ESSAYS (Answer any Eight) **8 x 5 = 40 Marks**

3. Glycogenolysis.
4. Explain the structure and function of tRNA.
5. Transamination.
6. Biochemical mechanism of muscle contraction.
7. Dietary fibre.
8. Functions of Vitamin C.
9. Factors affecting enzyme activity.
10. Functions of proteins.
11. Metabolic acidosis.
12. Regulation of plasma calcium level.

SHORT ANSWERS **10 x 3 = 30 Marks**

13. Deficiency symptoms of niacin.
14. Name any two phospholipids with their functions.
15. Normal serum values of Blood urea and creatinine.
16. Essential fatty acids.
17. Mentions two enzymes of diagnostic importance in myocardial infarction.
18. Fluorosis.
19. Mitochondria.
20. Nucleotides of biological importance.
21. Name the coenzymes of niacin and riboflavin.
22. Define active transport.

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