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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**

BIO-CHEMISTRY (RS-3 & RS-4)
Q.P. CODE: 2703

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. Describe the Liver function tests
2. Describe Urea cycle. Name two inborn errors associated with this cycle

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

3. Dietary fibres
4. Sources and absorption of calcium
5. Wald's visual cycle
6. Write a note on the structure of myosin
7. Factors affecting enzyme activity
8. Describe structure of DNA
9. Mucopolysaccharides
10. Explain the sliding filament theory of muscle contraction
11. Fluid mosaic model of cell membrane
12. Metabolic acidosis

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

13. Anion Gap
14. Balanced diet
15. Vitamin C
16. Gout
17. Functions of phospholipids
18. Name the hormones regulating blood glucose
19. Night blindness
20. Ber i - Ber i
21. Starch
22. Specialized products formed from Glycine

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