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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.P.T. Degree Examination - 08-Mar-2021

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. Describe the chemistry, RDA, sources, functions and deficiency symptoms of vitamin A.
2. Explain urea cycle. What is the significance of blood urea level?

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

3. Structure and functions of t RNA.
4. Biologically important peptides.
5. Respiratory and metabolic alkalosis.
6. Fatty liver.
7. Define BMR. Explain about the factors affecting it.
8. Explain creatinine test add note on its importance.
9. Watson and crick model of DNA.
10. Enzyme inhibition.
11. Dietary fibers.
12. Protein Energy Malnutrition.

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

13. Pellagra.
14. Normal levels of cholesterol and calcium.
15. Name special compounds derived from Glycine.
16. Myosin.
17. Phenyl Ketonuria.
18. Cyclic AMP.
19. Mitochondria.
20. Mucopolysaccharides.
21. Kwashiorkar.
22. Name the coenzymes of a) Thiamine b) Pyridoxine

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