

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.P.T. Degree Examination – 20-May-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. Enumerate the sources, RDA, functions and deficiency disorders of Vitamin A
2. Describe the steps of Glycolysis. Add a note on its regulation.

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

3. Write the functions of carbohydrates.
4. Explain urea cycle.
5. Write the regulation of calcium in our body.
6. Explain the fluid mosaic model of plasma membrane.
7. Metabolic Acidosis.
8. Define BMR and write the factors affecting it.
9. Write the classification of lipids.
10. Explain the Watson and Crick model of DNA.
11. Write the causes and features of arteriosclerosis.
12. Write the biochemical functions of vitamin C.

SHORT ANSWERS

10 x 3 = 30 Marks

13. Functions of collagen.
14. Define anion gap.
15. Name the proteins in muscle contraction.
16. Write the normal levels of sodium and chloride ions in our body.
17. Phenylketonuria
18. Pellagra.
19. Define transamination.
20. Features of Rickets.
21. Define dietary fibres with example.
22. Function of Iron.
