

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.P.T. Degree Examination – 23-May-2025

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 in detail the Tricarboxylic acid cycle and energy production. Add a note on its amphibolic role.
2. What is the normal blood pH? Explain the role of kidneys in maintaining acid base balance.

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

3. Digestion and absorption of lipids.
4. Muscle contraction.
5. Glycolysis.
6. Types of RNA and functions.
7. Describe the synthesis of ketone bodies and add a note on ketosis.
8. Factors affecting enzyme activity.
9. Renal function tests.
10. Deficiency features of Vitamin C
11. Atherosclerosis.
12. Describe the functional classification of proteins.

SHORT ANSWERS

10 x 3 = 30 Marks

13. Von-gierks disease.
14. Nucleotides.
15. Pellagra.
16. Nitrogen balance.
17. Perinicious anemia.
18. Rickets.
19. SDA.
20. Normal level of sodium, potassium and chloride.
21. Transamination.
22. Normal level of Calcium and Iron.
