

Rajiv Gandhi University of Health Sciences, Karnataka
I Year B.P.T. Degree Examination – 16-Dec-2022

Time: Three Hours

Max. Marks: 80

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. Write beta-oxidation and energetics of palmitic acid
2. TCA cycle and functions of TCA cycle

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

3. Classification of amino acids with examples
4. Write sources, RDA, function deficiency of vitamin D
5. Write source, function and deficiency of copper
6. What are electrolytes and an account of regulation of electrolyte balance?
7. Classification of lipids and functions phospholipids
8. Glycolysis and its significance
9. Classification of enzymes with examples for each
10. Urea cycle
11. Lipoproteins and classification of it
12. Functions of DNA

SHORT ANSWERS

10 x 3 = 30 Marks

13. Transamination
14. Functions of vitamin C
15. Ketone bodies
16. Beri-Beri
17. Dehydration
18. PUFA
19. Collagen
20. Classify Disaccharides
21. Allosteric enzymes
22. mRNA
