

Rajiv Gandhi University of Health Sciences, Karnataka
I Year B.P.T. Degree Examination – 11-Jul-2022

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. What is normal pH of the blood? Describe different mechanisms in the maintenance of acid base balance.
2. Describe in detail glycogen metabolism.

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

3. Classify carbohydrate with suitable example.
4. Write a note on BMR.
5. Respiratory acidosis.
6. Atherosclerosis.
7. Biochemical function and absorption of Iron.
8. Diabetes mellitus.
9. Classify fatty acids with example.
10. Enzymes of diagnostic importance.
11. Glycolysis.
12. Phospholipids.

SHORT ANSWERS

10 x 3 = 30 Marks

13. Define SDA (specific dynamic action).
14. Glycosuria.
15. Transamination.
16. Nucleotides of biological importance.
17. Essential fatty acids.
18. Enzymes involved in muscle contraction.
19. Derived lipids.
20. Name the vitamin deficient in a) Beri-Beri b) Pellagra
21. Polysaccharides.
22. Von Gierk's disease.
