

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.P.T. Degree Examination - <<>>

Time: Three Hours

Max. Marks: 80 Marks

BIOCHEMISTRY (RS5)

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 Urea cycle. Add a note on inborn errors associated with this cycle.
2. Define Gluconeogenesis. Explain how lactate is converted to Glucose in the body.

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

3. Name the plasma lipoproteins. Describe their functions.
4. Basal Metabolic Rate (BMR).
5. Biochemical functions of calcium.
6. Diagnostic importance of enzymes.
7. Important compounds synthesized from Glycine with reactions.
8. Structure and function of collagen.
9. Define creatinine clearance. What is the normal value and significance of creatinine clearance.
10. Function and deficiency features of vitamin C.
11. Types of RNA and functions.
12. Liver function tests.

SHORT ANSWERS

10 x 3 = 30 Marks

13. Transamination.
14. Metabolic acidosis.
15. Nitrogen balance.
16. Beri beri.
17. Functions of Iron.
18. Structure of tRNA.
19. Name the coenzymes riboflavin and thiamine.
20. Name the compounds synthesized from tyrosine.
21. Name two Glycogen storage disorders.
22. Essential Amino acids.
