

Rajiv Gandhi University of Health Sciences, Karnataka

1 Year B.P.T. Degree Examination - SEP-2016

Time: Three Hours

Maxi Marks: 80 Marks

BIO-CHEMISTRY (RS-3 & RS-4)**Q.P. CODE: 2703****Your answers should be specific to the questions asked****Draw neat, Labeled diagrams wherever necessary****LONG ESSAYS (Answer any Two)****2 x 10 = 20 Marks**

1. Define and classify proteins with suitable examples.
2. Describe - sources, RDA, biochemical functions and deficiency of Vitamin D.
3. Describe amino acid classification and functions, Add a note on biological important peptides.

SHORT ESSAYS (Answer any Eight)**8 x 5 = 40 Marks**

4. Glucose tolerance test

5. Phospholipids

6. Transport mechanism of cell membrane
7. Difference between RNA and DNA

B. Digestion and absorption of carbohydrates

9. Explain contractile proteins.
10. Classification of hormones
11. Respiratory acidosis
12. Types of jaundice, add a note on hemolytic jaundice.
13. Structure and functions of tRNA

SHORT ANSWERS**10 x 2 = 20 Marks**

14. Co-enzymes form of Vitamin B6 and Folic acid

15. Epimers

16. Berg-beri
17. Basal metabolic rate
18. Active site of enzyme
19. Gout
20. Essential amino acids
21. Bad cholesterol
22. Name two glycogen storage disorders,
23. Hormones regulating blood glucose