

Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. (M.L.T) Degree Examination – Aug 2013

Time: Three Hours**Max. Marks: 80 Marks****Biochemistry – II (RS)****Q.P. Code : 1608**

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. Enumerate the reactions of TCA Cycle. Add a note on its inhibitors.
2. Write the sources, RDA, biochemical functions and deficiency manifestation of Vitamin C.
3. What are enzymes? Explain the factors affecting enzyme activity.

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

4. Secondary and Tertiary structure of proteins.
5. Heteropolysaccharides
6. Explain oral glucose tolerance Test
7. Sample collection and preservation
8. Isoenzymes and their clinical significance
9. Wald's visual cycle
10. Significance of blood urea and serum Creatinine estimation.
11. Principle and procedure of serum protein electrophoresis.
12. Deficiency manifestations of thiamine
13. Name the plasma proteins. Enumerate the functions of plasma proteins.

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

14. Quaternary structure of proteins.
15. Pro-vitamin forms of vitamin A and D
16. Name any four important polysaccharides
17. Beer's law and Lambert's law
18. Mention the normal level of uric acid in plasma. Name the clinical condition in which it is increased.
19. Anomers
20. Name the method and principle of estimation of protein
21. Principle of flame photometer
22. Pellagra
23. What is dark adaptation time?
