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# Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. (M.L.T) Degree Examination – Sep 2012

**Time: Three Hours**

**Max. Marks: 80 Marks**

## BIOCHEMISTRY – II (Revised Scheme)

**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. Describe the reactions of gluconeogenesis. Mention its significance
2. Describe the source, daily requirements, deficiency disorders and biochemical role of Vitamin A
3. Classify enzymes with an example for each class

### SHORT ESSAYS (Answer any Eight)

**8 x 5 = 40 Marks**

4. G.T.T
5. Describe the blood samples collection, add a note on anticoagulants
6. Isoenzymes
7. Polysaccharides
8. Biochemical functions of Vitamin D
9. Classification of carbohydrate
10. Functions of TCA cycle
11. Factors affecting enzyme activity
12. Enzyme inhibition
13. Describe the biochemical functions of pyridoxine

### SHORT ANSWERS

**10 x 2 = 20 Marks**

14. Biotin
15. Functions of folic acid
16. Name the biochemical function of Vitamin B<sub>12</sub>
17. Functions of Ascorbic acid
18. Rickets
19. Difference between Starch and Glycogen
20. Name Mucopolysaccharides. Mention their function
21. Uses of flame photometer
22. Principle of chromatography
23. Uses of spectrophotometer

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