



Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. (M.L.T) Degree Examination – May 2016

Time: Three Hours

Max. Marks: 80 Marks

BIOCHEMISTRY – II (RS-2)

Q.P. CODE: 1231

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. How are phospholipids synthesized in the body? Give the functions of phospholipids
2. How are enzymes inhibited? Write a note on coenzymes
3. Write the chemistry, sources, biochemical function, and deficiency manifestation of vitamin D

SHORT ESSAYS (Answer any Six)

6 x 5 = 30 Marks

4. Explain the process of anaerobic glycolysis
5. Mention the various functions of vitamin C
6. How is creatinine produced in the body?
7. What are the inorganic constituents present in urine?
8. Write the principle of turbidometry
9. How is the nutritive value of proteins assessed?
10. Write a note on Immunoglobulins
11. Classify lipids

SHORT ANSWERS (Answer any Ten)

10 x 3 = 30 Marks

12. Write the fate of Acetyl CoA
13. Why is glucose stored as glycogen and not as fat?
14. Write a note on lock and key model of enzyme
15. Explain surface tension and viscosity
16. What are the functions of lipids?
17. What is the deficiency manifestation of vitamin A?
18. Write a note on BMR
19. Mention the normal value of cholesterol. What are the degradative products of cholesterol?
20. How is Beri-Beri caused?
21. Gout
22. Add a note on galactosemia
23. Principle of Benedict test

