



Rajiv Gandhi University of Health Sciences, Karnataka

III year B.Sc. (M.L.T) Degree Examination – Sep 2012

Time: Three Hours

Max. Marks: 80 Marks

BIOCHEMISTRY – III (Revised Scheme)

Q.P. CODE: 1611

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 different types of analysis of gastric juice. Add a note on their interpretation
2. Define radioactivity. Mention the clinical applications of radioactive isotopes
3. Write briefly on different tests used to assess liver function

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

4. Name the ketone bodies. Mention two conditions causing ketosis
5. Functions of gastric juice
6. Phospholipids and their function
7. Metabolic alkalosis
8. How does estimation of enzymes in serum help in clinical diagnosis? Illustrate with five examples
9. Buffer systems in blood
10. Renal function tests
11. Functions of iron in the body
12. Quality control
13. Analysis of kidney stones

SHORT ANSWERS

10 x 2 = 20 Marks

14. Lipotropic factors
15. $\text{Na}^+ - \text{K}^+$ ATPase pump
16. Two zinc containing proteins
17. Mention two inborn errors of lipid metabolism and indicate the enzyme defect
18. Van den Bergh reaction
19. Functions of copper
20. Rancidity
21. Name the plasma lipoproteins
22. Triglycerides
23. Functions of Sodium

