



Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. (MLT) Degree Examination - APRIL 2017

Time: Three Hours

Max. Marks: 80 Marks

Biochemistry – Paper III (RS-3 Scheme)

Q.P. CODE: 3159

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAY (Any Two)

2 x 10 = 20 Marks

1. Discuss the pathway of beta oxidation of palmitic acid. Add a note on its energetic and regulation.
2. Explain the process of detoxification and biotransformation of xenobiotics.
3. Describe the various mechanisms of regulation of blood pH.

SHORT ESSAY (Any Six)

6 x 5 = 30 Marks

4. ELISA
5. Determination of enzymes in pancreatitis
6. Wald's Visual Cycle
7. Preparation of In-house quality control serum
8. Chemistry, functions and clinical significance of albumin
9. Calcium homeostasis
10. Classification and characteristics of tumour markers.
11. Write a note on Dietary fibres.

SHORT ANSWERS (Any Ten)

10 x 3 = 30 Marks

12. Night blindness
13. Metabolic acidosis
14. Functions of phosphorus
15. Normal serum values of: a) LDH b) GGT c) ALP
16. Variables in quality control
17. Calorific value
18. Composition of gall stones
19. Ketosis
20. Van den bergh reaction
21. Enzymes in DNA replication
22. Anion gap
23. CA-125
