



Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. (MLT) Degree Examination - MAY 2016

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 formation and fate of bilirubin in the body.
2. Comment on quality assurance in a clinical laboratory.
3. Give an account of hexose monophosphate shunt pathway. Add a note on its significance.

SHORT ESSAY (Any Six)

6 x 5 = 30 Marks

4. Qualitative analysis of renal calculi
5. Lipid profile and coronary artery disease
6. Nutritional importance of Carbohydrates and Proteins
7. Balanced diet
8. Acute phase proteins
9. Functions of thyroid hormones
10. Principle, instrumentation and applications of Flame Photometry
11. Calcium homeostasis

SHORT ANSWERS (Any Ten)

10 x 3 = 30 Marks

12. Carcino embryonic antigen
13. Rickets and Osteomalacia
14. Variables in Quality control
15. Role of Bile in lipid digestion and absorption
16. Detoxification by Conjugation
17. Composition of Pancreatic juice
18. Isoenzymes of ALP
19. Dietary fibres
20. Ketosis
21. Normal serum values of: (a) Lactate dehydrogenase (b) Acid phosphatase (c) Creatine kinase
22. Functions of Phosphorus
23. Characteristics of an ideal tumour marker
