



Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. (MLT) Degree Examination - MAR/APR 2017

Time: Three Hours

Max. Marks: 80 Marks

Biochemistry – Paper II (RS-3 Scheme)

Q.P. CODE: 3156

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. Write the sources, RDA, chemistry, functions and deficiency manifestations of Vitamin C.
2. Explain Phenylalanine – Tyrosine metabolism. Add a note on the important products derived from tyrosine.
3. Discuss the various tests employed to detect the renal function.

SHORT ESSAY (Any Six)

6 x 5 = 30 Marks

4. Types and grades of water used in a clinical laboratory
5. Biosynthesis of creatinine and its clinical significance
6. Anticoagulants and preservatives used in blood and urine collection
7. Diabetes mellitus – types, clinical manifestations and management
8. Principle and applications of Nephelometry and Turbidimetry
9. Secondary structure of proteins
10. Enzyme specificity
11. Composition and clinical significance of CSF analysis

SHORT ANSWERS (Any Ten)

10 x 3 = 30 Marks

12. Different types of solutions prepared in a laboratory
13. Osazones
14. Biologically important peptides
15. Active site of an enzyme
16. Differences between DNA and RNA
17. Pellagra
18. Invert sugar
19. Disorders associated with urea cycle
20. Urinometer
21. Pleural fluid
22. Preparation of protein free filtrate for quantitative estimations
23. Name the branched chain amino acids.
