



Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. (MLT) Degree Examination - May 2016

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. What are enzymes? Explain various factors affecting enzyme activity.
2. Explain principle and applications of spectrophotometry. Add a note on components of spectrophotometer.
3. Enumerate the reactions of Citric Acid Cycle. Add a note on its energetics.

SHORT ESSAY (Any Six)

6 x 5 = 30 Marks

4. Structure of tRNA
5. Transamination in detail
6. Creatinine clearance test
7. Anticoagulants
8. Digestion of carbohydrates
9. Biochemical functions of Niacin
10. Precipitation reaction of proteins
11. Explain (a) MSUD (b) Lesch Nyhan syndrome (c) Alkaptonuria

SHORT ANSWERS (Any Ten)

10 x 3 = 30 Marks

12. Linearity of a method and its importance
13. What is a buffer? Give two examples.
14. Preparation of calibration curve
15. What are Anomers? Give two examples.
16. Peptide bond formation
17. Procedure of collection of 24 hour urine sample
18. What are Mucopolysaccharides? Mention any two functions of them.
19. Beri-beri
20. Write reference range of serum urea and mention its clinical importance.
21. Phenylketonuria
22. Quantitative analysis of cerebrospinal fluid
23. Name any three indicators with their uses.

