

Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. (MLT) Degree Examination - March - 2018

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. Define variables. Write a note on pre-analytical, analytical and post analytical variables.
2. Define Electrophoresis. Explain the factors affecting electrophoresis. Describe briefly the procedure of Agarose Gel Electrophoresis.
3. Define Urolithiasis. Write a note on theory of formation and analysis of renal and gall stones.

SHORT ESSAY (Any Six)

6 x 5 = 30 Marks

4. HMP shunt pathway and its significance
5. Wald's visual cycle and clinical manifestation of vitamin A
6. Ion selective electrode
7. Jaundice
8. Factors affecting Recommended Dietary Allowances (RDA)
9. Disorders of acid base imbalance.
10. Transcription
11. Explain the formation of ketone bodies.

SHORT ANSWERS (Any Ten)

10 x 3 = 30 Marks

12. Blood gas analysis
13. Iso enzymes
14. CA - 125
15. Excretion of Cholesterol
16. Uronic acid pathway
17. Composition and functions of pancreatic juice
18. Tyroxine
19. Flame photometry
20. Cardiac troponin
21. Normal values (a) Calcium (b) Sodium (c) Potassium
22. Rickets
23. Acute phase proteins
