



Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. (M.L.T) Degree Examination – APRIL 2017

Time: Three Hours

Max. Marks: 80 Marks

BIOCHEMISTRY – III (RS-2)

Q.P. CODE: 2901

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

1. Describe the steps of catabolism of phenylalanine and tyrosine. Enumerate various in born errors associated with this pathway.
2. Classify jaundice. Write in detail about bilirubin metabolism.
3. Write in detail about the renal mechanism of acid-base balance.

SHORT ESSAYS (Answer any Six)

6 x 5 = 30 Marks

4. Applications of radioisotopes
5. Creatinine clearance test
6. Acidosis
7. Describe the metabolic fate and functions of Methionine
8. RIA
9. Functional classification of proteins
10. Calcium metabolism
11. Define buffers. Add a note on buffers of blood.

SHORT ANSWERS (Answer any Ten)

10 x 3 = 30 Marks

12. Van den Bergh reaction
13. Write the normal serum levels of sodium, calcium and potassium.
14. Anion Gap
15. Composition of gastric juice
16. Iron absorption
17. Wilson's disease
18. Glutathione
19. Define replication and replication fork.
20. Essential and non essential amino acids
21. Maple Syrup Urine Disease (MSUD)
22. Write the normal serum levels of LDH, ALT and AST.
23. Hyponatremia

