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Rajiv Gandhi University of Health Sciences, Karnataka

III year B.Sc. (M.L.T) Degree Examination – SEP-2016

Time: Three Hours**Max. Marks: 80 Marks**

BIOCHEMISTRY – III (Revised Scheme)

Q.P. CODE: 1611

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. Classify lipoproteins. Give their biological importance
2. Describe how acid base balance is maintained in the body?
3. Outline the functions of the kidney. Explain threshold substance & clearance test

SHORT ESSAYS (Answer any Eight)**8 x 5 = 40 Marks**

4. Rate limiting enzymes of fatty acid synthesis with the reactions catalyzed
5. Homocystinuria
6. Maple syrup urine disease
7. List the types of renal calculi. Add a note on calcium oxalate stones
8. Radial immuno diffusion
9. Internal quality control programme
10. Principle & significance of Vanden Bergh's test
11. Clinical significance of AST & ALT
12. Glycogen storage disorders
13. Regulation of serum calcium levels

SHORT ANSWERS**10 x 2 = 20 Marks**

14. Rothera's test
15. Bile salts
16. Gout
17. Creatine phosphokinase
18. Essential fatty acids
19. Normal serum calcium & sodium levels
20. Gastric juice functions
21. Importance of cholesterol
22. Titrable acidity
23. Wilson's disease
