

# Rajiv Gandhi University of Health Sciences, Karnataka

## I Year Pharm-D Degree Examination - NOV 2016

**Time: Three Hours****Max. Marks: 70 Marks**

### MEDICINAL BIOCHEMISTRY

### Q.P. CODE: 2853

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. Discuss the reaction steps involved in the biosynthesis of purine nucleotides.
2. Explain the use of Immunochemical techniques for the diagnosis of endocrine and infectious diseases.
3. Outline the reaction steps involved in TCA cycle along with energetics.

**SHORT ESSAYS (Answer any Six)****6 x 5 = 30 Marks**

4. Urea cycle and its significance.
5. Factors affecting enzyme action
6. Enlist the different liver function tests, explain any two
7. Explain in detail the tests for NPN constituents.
8. Explain in brief the disorders of lipid metabolism
9. What are Lipoproteins? Explain the significance of lipid profiling.
10. Describe the methods employed in the estimation of calcium and potassium in the biological fluids.
11. Glycogenesis.

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

12. What is a coenzyme? Give two examples.
13. Fatty liver
14. What are uncouplers of electron transport chain?
15. Jaundice
16. Significance of biological oxidation.
17. Coenzymes of folic acid
18. Genetic code.
19. Specificity of enzymes.
20. Cyclic AMP
21. Oxidative deamination

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