

Rajiv Gandhi University of Health Sciences, Karnataka
I Year Pharm-D Examination - MAY 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. Describe in detail the oxidation pathway for carbohydrates, proteins and lipids. Add a note on the energetics.
2. Explain in detail biosynthesis of purine nucleotides.
3. Discuss the factors affecting enzyme activity. Add a note on diagnostic applications of enzymes.

SHORT ESSAYS (Answer any Six)

6 x 5 = 30 Marks

4. Transamination reactions.
5. Fatty liver
6. Jaundice
7. Water balance and electrolyte distribution.
8. Enzyme Linked Immuno Sorbent Assay (ELISA)
9. Repair of DNA damage
10. Glucose tolerance test and its significance.
11. Coenzyme systems involved in Biological oxidation.

SHORT ANSWERS

10 x 2 = 20 Marks

12. Anaplerotic reactions
13. Role of any two co-enzymes.
14. Name any four glycogen storage diseases.
15. Inhibitors of protein synthesis
16. Semi-quantitative urine analysis.
17. Cyclic AMP
18. Significance of Lipid profiling
19. Active transport
20. LDL and HDL
21. Urine concentration test.
