

Rajiv Gandhi University of Health Sciences, Karnataka

I Year Pharma-D Examination - June/July 2014

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. Explain the De Novo biosynthesis of fatty acids; explain it with palmitic acid as example.
2. Define enzyme inhibition. Explain its types in detail.
3. Explain the steps involved in protein biosynthesis.

SHORT ESSAYS (Answer any Six)

6 x 5 = 30 Marks

4. Write a note on amphibolic nature of TCA Cycle
5. Describe the salient features of genetic code
6. Define Transamination. Explain it with reaction
7. Explain glycolysis
8. Explain any two kidney function tests
9. Explain the principle and various methods in ELISA
10. Explain Ketogenesis and Ketolysis
11. Explain the construction and working of Photomultiplier tube.

SHORT ANSWERS

10 x 2 = 20 Marks

12. Write the structure of any two sulphur containing amino acids
13. What are co-factors? Give examples
14. Define substrate level phosphorylation with examples
15. Give biological significance of insulin
16. Why ATP is called the energy currency of the cell
17. List out normal constituents of urine
18. Write the structure of any two bile acids
19. Nitrogen balance
20. Hypercholesterolemia
21. What is porphyrinuria and hyperbilirubinemia?
