



Rajiv Gandhi University of Health Sciences, Karnataka

I Year Pharm-D Examination - Jan 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. Describe in detail the transport process across the cell membranes.
2. Explain the tests for non-protein nitrogenous constituents in urine and blood.
3. Describe in detail protein synthesis.

SHORT ESSAYS (Answer any Six)

6 x 5 = 30 Marks

4. Oxidation of saturated fatty acids.
5. Synthesis of glucose from non-carbohydrate sources.
6. DNA repair
7. Defective metabolism of any two amino acids.
8. Hormonal regulation of carbohydrate metabolism.
9. Atherosclerosis
10. Iso-enzymes and their therapeutic and diagnostic applications.
11. Enzyme Linked Immuno Sorbent Assay.

SHORT ANSWERS

10 x 2 = 20 Marks

12. Amphibolic role of TCA
13. Role of Tetra hydrofolate
14. Substrate level phosphorylation
15. Jaundice
16. Nitrogen balance
17. High energy compounds
18. Carnitine transporter
19. Structure of cAMP
20. Name the disorders related to urea metabolism
21. Specificity of enzymes.
