

Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - I Degree Examination - July 2008

Time : 3 Hrs.

[Max. Marks : 90]

Biochemistry [Old Scheme] QP Code - 1005

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Describe in detail the steps of urea cycle. How is it linked to TCA cycle? Write the causes of Uremia
2. What is normal blood pH? Describe the various mechanisms regulating it

SHORT ESSAY

10 X 5 = 50 Marks

3. Functions and deficiency manifestations of Vit A
4. Digestion and absorption of lipids
5. Glycolysis in RBC^s
6. Oxidative phosphorylation
7. Clinical importance of enzymes
8. Phenylketonuria
9. Glyconeogenesis
10. Metabolic acidosis
11. Regulation of water balance
12. Detoxification

SHORT ANSWERS

10 X 2 = 20 Marks

13. Effect of pH on enzyme activity
14. Enzyme defect in alkaptonuria and albinism
15. Role of insulin in carbohydrate metabolism
16. Define Tumor markers, give two examples
17. Write functions of phospholipids
18. What is total serum bilirubin level? Two causes of hyperbilirubinemia
19. Role of thiamine
20. Name essential fatty acids and write their role
21. Functions of plasma proteins
22. Name the ketone bodies and the tests to detect them

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