

Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - I Degree Examination - January 2009

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 the steps of Glycolysis. What is the significance of Rapoport Leubering cycle?
2. Classify plasma lipoproteins, explain their composition, transport and functions

SHORT ESSAY

10 X 5 = 50 Marks

3. Essential Amino acids
4. Ketogenesis
5. Factors affecting Enzyme action
6. Regulation of blood sugar
7. Biochemical functions of Tetra Hydro Folate (THF)
8. Functions of tRNA
9. Gene Therapy
10. Salvage pathways of Purine nucleotide synthesis - Abnormalities
11. Biochemical role of vitamin D
12. Transaminases in clinical diagnosis

SHORT ANSWERS

10 X 2 = 20 Marks

13. Name Essential Fatty Acids and their importance
14. Glycosidic bonds
15. Name two oxidoreductases of HMP shunt
16. Phenylketonuria
17. Conjugate Acid-Base pair
18. Phosphate synthetases Carbamoyl
19. Cyclic AMP
20. Fouchet's test
21. HMG CoA Reductase
22. Golgi complex
