

Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - I Degree Examination – June / July 2011

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. Write about DNA replication and Repair
2. How will you differentiate a native protein from a denatured protein? Explain the bonds at different levels of three dimensional structure of a native protein

SHORT ESSAY**10 X 5 = 50 Marks**

3. Biochemical effects of Folic acid deficiency
4. Biochemical functions of Vitamin A
5. Glycogenolysis
6. Metabolic derangements in Diabetes Mellitus
7. Functions of membrane proteins
8. Niacin
9. Oxidative phosphorylation
10. RNA Polymerase
11. Immunoglobulins
12. Role of Hemoglobin as a buffer

SHORT ANSWERS**10 X 2 = 20 Marks**

13. Homocystinuria
14. Peroxisomes
15. Basal Metabolic Rate (BMR)
16. Conjugate Acid - Base pair
17. Ketogenic Amino acids
18. Name four Trace elements
19. Facilitated Diffusion
20. Biotin
21. Alkaptonuria
22. Albinism
