

Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - I Degree Examination - June/July 2009

Time : 3 Hrs.

[Max. Marks : 100]

BIOCHEMISTRY (Revised Scheme)

QP Code: 1055

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

LONG ESSAY**2 X 9 = 18 Marks**

1. Outline hem synthesis. Write a note on its function & abnormal Haemoglobin
2. Describe pentose phosphate pathway & its significance

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

3. Ketone bodies their formation & utilization
4. Disposal of ammonia
5. Role of kidneys in Acid -Base balance
6. β oxidation of fatty acid
7. Name a provitamin form of Vit. A. Add a note on sources and deficiency symptoms of Vit. A
8. Structural organization of proteins
9. Biochemical role of calcium
10. Coenzymes
11. Basal metabolic rate
12. Fatty acid synthase complex

SHORT ANSWERS**16 X 2 = 32 Marks**

13. Replication
14. Oncogenes
15. P:O ratio
16. Functions of magnesium
17. Glycosidic linkage
18. Ceruloplasmin
19. Name two inborn errors of metabolism and the associated enzyme
20. Essential amino acids
21. Scurvy & its symptoms
22. Unsaturated fatty acid
23. Four diagnostic enzymes
24. Types of RNA
25. Hypervitaminosis
26. Homocysteine
27. Cell membrane
28. Energetics in aerobic & Anaerobic pathway of EM pathway