

Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - I Degree Examination - August 2006

Time: 3 Hours

[Max. Marks: 100]

BIOCHEMISTRY (Revised Scheme II)

QP Code: 1079 – Paper I (Max. Marks: 50)

Your answer shall be specific to question asked. Draw neat and labelled diagrams wherever necessary. **Use separate answer books for section A and section B.**

LONG ESSAY

1 X 10 = 10 Marks

1. Discuss the significance of multi enzyme complexes with respect to carbohydrate and lipid metabolism.

SHORT ESSAY

5 X 5 = 25 Marks

2. How is ammonia detoxified in the body
3. Mechanism of oxidative phosphorylation
4. Ketogenesis
5. Gluconeogenesis
6. Conjugation in detoxification

SHORT ANSWERS

5 X 3 = 15 Marks

7. Carnitine cycle
8. Biologically active peptides
9. Glycosaminoglycans
10. Vitamin - E
11. Methanol poisoning can be alleviated by ethanol, justify

QP Code: 1080 – Paper II (Max. Marks: 50)

Use separate answer book

LONG ESSAY

1 X 10 = 10 Marks

1. Name the coenzyme forms of vitamin involved in amino acid metabolism. Discuss the biochemical functions and deficiency manifestations of this vitamin

SHORT ESSAY

5 X 5 = 25 Marks

2. Clearance tests
3. Blood buffers and their role in acid-base balance
4. Biological role of zinc in the body
5. PCR
6. BMR

SHORT ANSWERS

5 X 3 = 15 Marks

7. 2,3 BPG
8. Cyclic nucleotides
9. Intracellular insulin receptor
10. How bilirubin is made water soluble
11. Bence-Jones proteins

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