

Rajiv Gandhi University of Health Sciences

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

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. Describe TCA cycle. Discuss in detail its energetics, regulation and its role

SHORT ESSAY

5 X 5 = 25 Marks

2. Secondary structure of proteins
3. Glycogenesis
4. Serotonin
5. Antioxidants
6. General mechanism of action of steroid hormones

SHORT ANSWERS

5 X 3 = 15 Marks

7. PSA
8. Uncouplers of oxidative phosphorylation
9. Refsum's disease
10. Significance of HMP pathway
11. Rancidity

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

Use separate answer book

LONG ESSAY

1 X 10 = 10 Marks

1. Discuss in detail recombinant DNA technology and its clinical application

SHORT ESSAY

5 X 5 = 25 Marks

2. Chloride shift
3. Functions and deficiency manifestations of Vitamin C
4. Metabolic Acidosis
5. Degradation of pyrimidines
6. Salient features of genetic code

SHORT ANSWERS

5 X 3 = 15 Marks

7. Carboxy hemoglobin
8. Fluorosis
9. Immuno Electrophoresis
10. Anticoagulants
11. Limiting aminoacid or Essential aminoacid

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