



RUHS FIRST YEAR MBBS EXAMINATION

BIOCHEMISTRY- PAPER - I

August 2011 TIME: 3 HOURS TOTAL MARKS: 50

INSTRUCTIONS:

1. Que. No. 1 and 5 in section A and B are compulsory. Attempt ANY TWO questions from rest of the questions in each section.
2. Use separate answer sheet for each section.

Section A

Q1. a) Discuss chronic complications of diabetes mellitus and their biochemical mechanisms. (A. 654) (5)

b) Role of vitamins as antioxidants (A. 632) (5)

Q2. a) Discuss role of vitamins in biological oxidation. (4)

b) Explain chemiosmosis theory and also give experimental support for it. (A. 228)(4)

Q3. Discuss

b) Primary and secondary Hyperuricemia and its management. (A. 395) (4)

Q4. Write briefly about

a) Fatty liver with its etiopathogenesis (A. 324) (4)

b) Secondary structure of protein and its significance (A. 59) (4)

Section B

Q5. Discuss

a) Compounds synthesised by Phenylalanine (A. 347) (4)

b) Blue diaper syndrome (A. 360)(4)

Q6. a) What is the effect of pH on enzyme action?

Explain biochemical basis for it (A. 92)

b) Liposomes (A. 42)

Q7. Write notes on

a) Transport proteins(A. 184) (4)

b) Monoclonal antibodies (A. 696) (4)

Q8. Discuss





- a) Renal rickets (A. 131) (4)
- b) C- Peptide (A. 642) (4)

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