



**RUHS FIRST YEAR MBBS EXAMINATION**

**BIOCHEMISTRY- PAPER - I**

**November 2017 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.

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**Section A**

Q1. a)  $\beta$  Oxidation and its energetic (A. 288)

b) Atherosclerosis: Risk factor and its preventive measures (A. 317)

Q2. Explain

- a) Fate of Acetyl CoA (A. 253)
- b) Salvage pathway and its associated disorder (A. 393)
- c) Biochemical function of vitamin C (A. 136)
- d) BeriBeri (A. 139)

Q3. Describe the sources, daily requirement  
biochemical functions and deficiency  
manifestation of Vitamin D. (A. 127)

Q4. Discuss

- a) Galactosemia (A. 278)
- b) Acute phase proteins (A. 186)

**SECTION B**

QS. a) Important specialized products synthesis from tyrosine (A. 346)

b) Components of electron transport chain (A. 224)

Q6. Explain

- a) Structural organization of proteins (A. 61)
- b) Disorders associated with copper metabolism (A. 419)





Q7. Explain

- a) Competitive inhibition (A. 94)
- b) Isoenzymes of alkaline phosphate (A. 114)
- c) Classification of enzymes (A. 88)
- d) Michaelis constant ( $K_m$ ) (A. 91)

Q8. Discuss

- a) Hemoglobinopathies (A. 201)
- b) Glycaemic index and role of fibres in diet (A. 506)

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