

RUHS FIRST YEAR MBBS EXAMINATION**BIOCHEMISTRY- PAPER - II****August 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.

Section A

Q1. Describe in detail the process of translation in eukaryotes. Explain the role of various inhibitors also. (A. 546) 10

Q2. Discuss 08

- a) DNA damage and repair mechanism (A. 533)
- b) Vectors of recombinant DNA technology (A. 574)

Q3. Write about 08

- a) Reverse transcription (A. 546)
- b) Blotting techniques (A. 575)

Q4. Explain 08

- a) Acid-disorder (A. 481)

- b) Immunoglobulin structure and functions (A. 187)

SECTION B

Q5. Discuss diabetes mellitus under following

headings 08

- a) Classification (A. 651)
- b) Biochemical alterations (A. 654)
- c) Complication (A. 655)
- d) Diagnostic investigations (A. 655)

Q6. Explain 08

- a) Detoxification mechanism (A. 614)
- b) Adverse effects of water pollution (A. 637)

Q7. Discuss

- a) Renal function tests (A. 460)
- b) Tumour markers (A. 662)

Q8. Write short note on 08

- a) Immuno-electrophoresis (A. 691)
- b) Diagnostic tests for AIDS (A. 669)
- c) Chromosomal abnormalities (A. 660)
- d) Second messengers in hormone action (A. 432)

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