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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.

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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 about08

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)

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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) Immunoelectrophoresis (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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