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RUHS FIRST YEAR MBBS EXAMINATION

BIOCHEMISTRY- PAPER - II

August 2012 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 the process of DNA replication in

Prokaryotes give examples of compounds

which inhibit replication (A. 524)

(10)

Q2. 'Vrite notes on

a) Post Transcriptional

changes modification(a. 544) (4)

b) tRNA-structure and functions (A. 83)(4)

Q3. Write briefly

a) Biotransformation (A. 613) (4)

b) Genetic code(A. 547)(4)

Q4. Write short notes on

a) Mutations in DNA (A. 534) (4)

b) Thyroid function tests (A. 443)(4)

Section B

Q5. Write advantages of Recombinant Technology(A. 571) (10)

Q6. Write short notes on

a) Humoral immunity(A. 698) (4)

b) Wilson's disease(A. 420) (4)

Q7. Briefly explain

a) PCR (Polymerase chain reaction)(A. 579) (4)

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b) Gene Therapy (A. 602)(4)

Q8. Write short notes on

a) Radioisotopes (A. 685)(2)

b) Functions of zinc (A. 421) (2)

c) Hyperkalemia (A. 415)(2)

d) Paper chromatography (A. 688) (2)

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