

**RUHS FIRST YEAR MBBS EXAMINATION****BIOCHEMISTRY- PAPER - II****January 2016 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. Give an account of translation process stating its inhibition. Add a note on post translational modification (A. 546)

Q2. Explain

- a) DNA damage and repair process (A. 533)
- b) Termination of transcription (A. 541)

Q3. Discuss in detail

- a) Disorders of Acid base balance (A. 481)
- b) Gene therapy (A. 602)

Q4. Write in brief on

- a) Anion Gap (A. 482)
- b) RNA (A. 81)
- c) Molecular scissors (A. 572)
- d) Multiple Myeloma (A. 189)

**SECTION B**

Q5. a) Describe lactose operon (A. 562)

b) Characteristics of tumour cells (A. 662)

Q6. a) Structure and functions of immunoglobulin (A. 187)

b) Carcinogens (A. 640)

Q7. a) Liver function tests (A. 454)

b) HPLC (A. 690)

Q8. Write in short

- a) Lab. Diagnosis of AIDS (A. 666)
- b) Mutations (A. 534)
- c) Isotopes used in Biochemistry (A. 685)
- d) Cytokines (A. 700)

[www.FirstRanker.com](http://www.FirstRanker.com)