



**RUHS FIRST YEAR MBBS EXAMINATION**

**BIOCHEMISTRY- PAPER - II**

**July 2018 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**

Q2. Write short note on

- a) Dehydration and over hydration
- b) Hyponatremia

Q3. a) Define a phage plasmid, cosmid gene library

- b) Human genome project

Q4. a) Define tumor markers. Give example 4 (four) tumor markers and name the diseases they are used as markers.

- b) What techniques are used to diagnose HIV infections?

**SECTION B**

Q5. Elaborate the steps of transcription. Differentiate between Eukaryotic and Prokaryotic transcription.

Q6. Write short notes on

- a) Recombinant DNA technology
- b) Phase I reactions of detoxification working in body and affecting ageing.
- b) Give an account of APOPTOSIS

Q8. a) Define immunity. What is the structure of IgG

- b) What are mutations? How many types are known? Give an example of point mutation.

