

**0819E379**

**First Year MBBS Examination  
I MBBS Biochemistry Paper 2**

**Time: 3 hours**

**Date: 02-10-2020**

**Max Marks: 50**

1. Answer to the points.
2. Figure to the right indicates marks.
3. Use separate answer books for each section.
4. Draw diagrams wherever necessary.
5. Write legibly.

**Section 1**

**1. Write short notes on:**

- a) Pancreatic function tests (8)
- b) Dehydration-etiology & biochemical changes (8)

**2. Write short notes on:**

- a) Transcription (8)
- b) Z-DNA (8)

**4. Give detailed account of structure of immunoglobulins tabulate differences in different types of immunoglobulins. (10)**

## **Section 2**

**5. Enumerate the bio chemical determinants of metabolic and respiratory acidosis. Why is bi-carbonate buffer especially important as a blood buffer? (8)**

**6. Write short notes on:**

- a) Phase I reactions of detoxification. (8)**
- b) Techniques to assess glomerulation filtration rate. (8)**

**7. Write short notes:**

- a) Mutation-causes, types with examples. (8)**
- b) Human genome project. (8)**

**8. Write short notes on:**

- a) Tumor markers for liver disease (8)**

## b) DNA polymerase. (8)

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