

Reg. No.:.....

**P.G. Diploma Supplementary Examinations in Clinical Pathology  
(DCP) November 2022**

**Paper III – Clinical Biochemistry and Basic Microbiology**

**Time: 3 hrs**

**Max marks:100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*
- *Write SECTION A and SECTION B in separate answer books (32 pages). Do not mix up questions from Section A and Section B*

**QP Code:103177**

**SECTION A – Biochemistry**

**Marks: 50**

**Essay:**

**(15)**

1. Describe in detail the different biochemical tests to assess thyroid function.

**Short notes:**

**(7x5=35)**

2. Mass spectrometry
3. Galactosemia
4. Inflammatory markers in Covid infection
5. Quality control in biochemistry laboratory
6. Biochemical markers of acute myocardial infarction
7. Polyunsaturated fatty acids (PUFAs)
8. Renal tubular acidosis

\*\*\*\*\*

**QP Code: 104177**

**SECTION B – Microbiology**

**Marks: 50**

**Essay:**

**(15)**

1. Define autoimmunity. Describe the various mechanisms of autoimmunity and methods of detection.

**Short notes:**

**(7x5=35)**

2. Viral markers of Hepatitis B.
3. Actinomycosis.
4. Describe the major Hospital Acquired Infections (HAI) types.
5. Biomedical waste management in microbiology lab.
6. COVID 19 Vaccines.
7. Fungal stains.
8. Cerebral malaria.

\*\*\*\*\*