

Reg. No.:.....

**P.G. Diploma Regular/Supplementary Examinations in Clinical Pathology (DCP) May 2021**

**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. Discuss in detail about urine examination.

**Short notes:**

**(7x5=35)**

2. Renal function tests.
3. Porphyria.
4. Metabolic syndrome.
5. Chromatography.
6. Role of liver enzymes.
7. Galactosemia.
8. Investigations in Plasma cell dyscrasias.

**QP Code: 104177**

**SECTION B – Microbiology**

**Marks: 50**

**Essay:**

**(15)**

1. Enumerate the sexually transmitted diseases and the organisms causing them.  
Write a note on syphilis.

**Short notes:**

**(7x5=35)**

2. Infectious mononucleosis
3. Biomedical waste management
4. Diseases caused by herpes simplex virus
5. Filariasis.
6. Write about the pathogenesis, laboratory diagnosis of Rickettsial infection.
7. Laboratory tests in COVID-19 infection.
8. Atypical mycobacterial infections.

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