

**P.G. Diploma Regular/Supplementary Examinations in Clinical Pathology (DCP) June 2020**

**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 the liver function tests. Elaborate their clinical significance and usefulness.

**Short notes:**

**(7x5=35)**

2. Investigations in plasma cell dyscrasias.
3. Lipid profile
4. Diabetic ketoacidosis
5. Phenyl ketonuria
6. Clinical significance of isoenzymes
7. Affinity chromatography
8. Biomarkers in myocardial infarction

**QP Code: 104177**

**SECTION B – Microbiology**

**Marks: 50**

**Essay:**

**(15)**

1. Enlist the sexually transmitted diseases. Describe in detail the morphology, pathogenesis and lab diagnosis of HIV.

**Short notes:**

**(7x5=35)**

2. Dermatophytosis
3. Lab diagnosis of leptospirosis
4. Complement fixation test
5. Biomedical waste management
6. Rotavirus
7. Nosocomial infection
8. Virulent factors of bacteria