

P.G. Diploma Examinations in Clinical Pathology (DCP) - May 2017

Paper III – Clinical Biochemistry and Basic Microbiology

Time: 3 hrs

Max marks:100

- **Answer all questions**
- **Draw diagram 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 the procedure of internal quality control in clinical biochemistry laboratory. Explain the method of plotting levey jennings chart and its significance. Add a note on resolution of outliers.

Short notes:

(7x5=35)

2. Renal tubular acidosis.
3. Diabetic ketoacidosis.
4. Laboratory diagnosis of myocardial infarction.
5. Electrophoresis and its applications.
6. Physical properties of urine.
7. Hyperuricemia.
8. Digestion and absorption of lipids

QP Code:104177

SECTION B – Microbiology

Marks: 50

Essay:

(15)

1. Classify entero-viruses. Discuss in detail morphology, pathogenesis, clinical features, laboratory diagnosis and prophylaxis of polio virus.

Short notes:

(7x5=35)

2. PCR and clinical applications.
3. Classification of streptococci.
4. Local immunity.
5. Infective endocarditis – laboratory diagnosis.
6. Antibiotic associated colitis.
7. Needles stick injury and its management.
8. Cryptococcus neoformans