

P.G. Diploma Examinations in Clinical Pathology (DCP) - May 2016

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. Classify jaundice. What are the biochemical tests to differentiate the different types of jaundice.

Short notes: (7x5=35)

2. Prenatal diagnosis and its applications.
3. Causes of hyperammonemia.
4. Functions of plasma proteins.
5. Functions and distribution of calcium in the body.
6. Principle of dialysis.
7. Urinary buffers.
8. Galactose metabolism

QP Code:104177

SECTION B – Microbiology

Marks: 50

Essay: (15)

1. Discuss the pathogenesis, laboratory diagnosis and prevention of pulmonary tuberculosis.

Short notes: (7x5=35)

2. Laboratory diagnosis of hepatitis B.
3. Non-sporing anaerobes.
4. Autoclave.
5. Complement fixation test.
6. Hydatid cyst.
7. Dermatophytosis.
8. Lab. diagnosis of leptospirosis
