

P.G. Diploma Supplementary Examinations in Clinical Pathology

(DCP) -November 2015

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. Discuss thyroid function tests in detail.

Short notes:

(7x5=35)

2. Hb electrophoresis
3. Microalbuminuria
4. Pathogenesis of Cushing's syndrome
5. Vitamin D deficiency
6. Chemiluminescence technology
7. Renal glycosuria
8. Biochemical markers of acute myocardial infarction

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SECTION B – Microbiology

Marks: 50

Essay:

(15)

1. Discuss serology of hepatitis B infection.

Short notes:

(7x5=35)

2. Type III hypersensitivity reaction
3. ELISA test
4. Pathology of amoebic colitis
5. Mucormycosis
6. Pathology and lab diagnosis of typhoid fever
7. Actinomycosis
8. Transfusion transmitted infections