

P.G. Diploma Examinations in Clinical Pathology (DCP) -June 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 liver function tests in detail.

Short notes:

(7x5=35)

2. Azotemia
3. Glucose tolerance test
4. Mass spectrometry
5. Pathogenesis of Cushing's syndrome
6. Discuss the role of G6PD in red cell metabolism and methods of its estimation
7. Describe the biochemical changes in multiple myeloma
8. Tumour markers

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SECTION B – Microbiology

Marks: 50

Essay:

(15)

1. Discuss the serology of hepatitis B infection in detail.

Short notes:

(7x5=35)

2. Type II hypersensitivity reaction
3. Viral inclusions
4. Life cycle of malarial parasite
5. Serological tests for syphilis
6. Primary atypical pneumonia
7. Candidiasis
8. Aspergillosis