

P.G. Diploma Regular/Supplementary Examinations in Clinical Pathology (DCP) June 2024

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. Laboratory workup of myocardial infarction

Short notes:

(7x5=35)

2. What are free radicals and reactive oxygen species. Discuss
3. Blotting techniques
4. Write about vitamin B₁₂ and folic acid and their deficiency
5. Interpretation of thyroid function tests
6. Calcium homeostasis
7. Glycogen storage disorders
8. Post translation modification

QP Code: 104177

SECTION B – Microbiology

Marks: 50

Essay:

(15)

1. Define and classify immunity. Discuss innate immunity

Short notes:

(7x5=35)

2. Mantoux test
3. Delayed hypersensitivity reactions
4. H. Pylori
5. Hot air oven
6. ELISA
7. Laboratory diagnosis of tuberculosis
8. Microscopic examination of stool
