

DIPLOMA IN CLINICAL PATHOLOGY (DCP) EXAMINATION

BIOCHEMISTRY AND MICROBIOLOGY

Q.P. Code: 343009

Time: Three Hours

Maximum : 100 Marks

(ANSWER SECTION A & B SEPARATELY)

SECTION - A
(BIOCHEMISTRY)

I. Elaborate on: **(1 x 15 = 15)**

1. What are the markers of Glomerular Filtration Rate? Explain the Procedure and Significance of Creatinine Clearance tests.

II. Write notes on: **(5 x 7 = 35)**

1. Cardiac enzymes.
2. Normal level of Plasma albumin and the biochemical functions of albumin.
3. Clinical features and investigations of Kwashiorkor.
4. Biochemical defect in Wilson's disease.
5. Prothrombin time.

SECTION - B
(MICROBIOLOGY)

I. Elaborate on: **(1 x 15 = 15)**

1. Classify Hepatitis Viruses. Write in detail the structure, modes of transmission, clinical features and Laboratory diagnosis of Hepatitis B Virus (HBV). Add a note on its prophylaxis.

II. Write notes on: **(5 x 7 = 35)**

1. Methicillin Resistant Staphylococcus Aureus (MRSA).
2. Chemical disinfectants.
3. TORCH infections.
4. Candida albicans.
5. Type IV Hypersensitivity.
