

(LC 1507)

APRIL 2013

Sub. Code: 3009

**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:

(1X15=15)

1. Describe how calcium homeostasis is maintained. How will you investigate a patient with hypercalcemia?

II. Write notes on:

(5X7=35)

1. Renal tubular acidosis.
2. Diabetic ketoacidosis.
3. Hyperuricemia.
4. Digestion and absorption of Lipids.
5. Laboratory diagnosis of Myocardial infarction.

SECTION B

(MICROBIOLOGY)

I. Elaborate on:

(1X15=15)

1. Classify enteroviruses. Write in detail morphology, Pathogenesis, clinical features, laboratory diagnosis and prophylaxis of Polio virus.

II. Write notes on:

(5X7=35)

1. Type III Hypersensitivity.
2. Genital flagellates.
3. Needle stick injury and its management.
4. Cold sterilization and its applications.
5. Cryptococcus neoformans.
