

**MARCH 2008**

**[KS 1507]**

**Sub. Code : 3009**

DIPLOMA IN CLINICAL PATHOLOGY EXAMINATION.

Paper II — BIOCHEMISTRY AND MICROBIOLOGY

(Common to all Regulations)

**Q.P. Code: 343009**

Time : Three hours

Maximum : 100 marks

Answer Section A and Section B in Separate Answer Books

Answer ALL questions.

**SECTION A**

**BIOCHEMISTRY**

- I. Essay : (1 × 20 = 20)
1. Enumerate the various liver function tests. Describe in detail the tests used for the diagnosis and classification of jaundice.
- II. Short notes : (5 × 6 = 30)
1. Renal Glycosuria.
  2. Clinical significance of Isoenzymes.
  3. Phenylketonuria.
  4. Albuminuria and Kidney function.
  5. Affinity chromatography.

**SECTION B**

**MICROBIOLOGY**

- III. Essay : (1 × 20 = 20)
1. Enumerate bacteria causing pyogenic meningitis. Write in detail the pathogenesis and laboratory diagnosis of pyogenic meningitis and add a note on prophylaxis.
- IV. Short notes: (5 × 6 = 30)
1. Gas gangrene.
  2. Monoclonal antibodies.
  3. Nosocomial Infections.
  4. Hospital waste management.
  5. Prions.
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