

**September 2008**

**[KT 1507]**

**Sub. Code: 3009**

**DIPLOMA IN CLINICAL PATHOLOGY EXAMINATION.**

**Paper II – BIOCHEMISTRY AND MICROBIOLOGY  
(Common to all candidates)**

**Q.P. Code : 343009**

**Time : Three hours**

**Maximum : 100 marks**

**Draw suitable diagram wherever necessary.**

**Answer ALL questions.**

**(Answer Section A & B Separately)**

**SECTION A  
(BIOCHEMISTRY)**

**I. Essay question :**

**(1 X 20 = 20)**

1. Describe the procedure of internal quality control in clinical biochemistry laboratory. Explain the method of plotting Levey Jennings chart and its significance. Add a note on resolution of outliers.

**II. Write short notes on :**

**(5 X 6 = 30)**

1. Galactosemia
2. Biomedical waste management.
3. Electrophoresis and its applications.
4. Renal function tests.
5. Physical properties of urine.

**SECTION B  
(MICROBIOLOGY)**

**III. Essay question :**

**(1 X 20 = 20)**

1. Discuss the etiology, pathogenesis, laboratory diagnosis, epidemiology and prophylaxis of enteric fever.

**IV. Write short notes on :**

**(5 X 6 = 30)**

1. PCR and clinical applications.
  2. Classification of streptococci.
  3. Local immunity.
  4. Infective endocarditis – laboratory diagnosis.
  5. Antibiotic Associated colitis.
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