



Reg. No. : .....

Name : .....

**I Year B.Sc. (Post-Basic) Nursing Degree Examination, June 2009**  
**Part – I : BIOLOGICAL SCIENCES**  
**Paper – III : Microbiology and Pathology**

Time : 2 Hours

Max. Marks : 50

*Instruction : Answer Section A and B in separate answer books.*

**SECTION – A**  
**(Microbiology)**

- I. Classify anaerobic gram negative bacteria. Discuss the pathogenesis, laboratory diagnosis and prevention of Tetanus. **(2+3+2+2=9)**
- II. Write short notes on **any four** of the following : **(4×4=16 Marks)**
- a) Weils' disease
  - b) Opportunistic infections in AIDS patients
  - c) Salmonella carriers
  - d) Nosocomial infections
  - e) Antiseptics.

**SECTION – B**  
**(Pathology)**

- III. Describe the pathogenesis of carcinoma colon. **7**
- IV. Explain the laboratory diagnosis of tuberculosis. **6**
- V. Write short notes on **any three** of the following : **(3×4=12 Marks)**
- a) Apoptosis
  - b) Rickets
  - c) Hemophilia
  - d) Coomb's test.
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