



**FEBRUARY 2008**

**[KS 1014]**

**Sub. Code : 4705**

**B.Sc. (Nursing) DEGREE EXAMINATION.**

**(New Regulation for the candidates admitted from  
2006-07 onwards)**

**First Year**

**Paper V — MICROBIOLOGY**

**Q.P. Code : 664705**

**Time : Three hours**

**Maximum : 75 marks**

**Theory : Two hours and  
forty five minutes**

**Theory : 60 marks**

**M.C.Q. : Fifteen minutes**

**M.C.Q. : 15 marks**

**Answer ALL questions.**

**I. Essay questions :**

**(1) Write in detail about Hospital acquired infection and Hospital infection control programme. (15)**

**(2) Classify different types of sterilization. Write in detail about moist heat sterilization. (15)**

**II. Write short notes on the following : (6 × 5 = 30)**

- (a) Louis Pasteur**
  - (b) Flagella**
  - (c) Transport media**
  - (d) Candida albicans**
  - (e) Type IV Hypersensitivity**
  - (f) Polio vaccine.**
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August-2008

[KT 1014]

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First Year

Paper V — MICROBIOLOGY

Q.P. Code : 664705

Time : Three hours

Maximum : 75 marks

Answer ALL questions.

- I. Essay : (2 × 15 = 30)
1. (a) Classify vaccines (5)
  - (b) Describe immunisation schedule. (5)
  - (c) Write about BCG Vaccine. (5)
2. Classify Bacteria, write in detail about various structures of Bacterial cell. (15)
- II. Write short notes on : (5 × 5 = 25)
1. Hospital Acquired Infections.
  2. Grams Staining.

3. Antibodies.
  4. Rabies Vaccines.
  5. ELISA Test.
- III. Short answer questions : (10 × 2 = 20)
1. Write any two contributions of Louis Pasteur.
  2. What is iso immunization?
  3. Define Nosocomial infections.
  4. Mention contributions of Edward Jenner.
  5. Mention two uses of Pasteurization.
  6. List the diagnostic methods for tuberculosis.
  7. Mention two bacteria causing gas gangrene.
  8. Give two examples of latent viral infection.
  9. What are the target cells and the receptors for HIV?
  10. Name any four opportunistic Fungi.