

**Madhya Pradesh Medical Science University, Jabalpur**  
**First Year B.Sc. Nursing Examination November - 2016**  
**Paper Code:- 16NB105**  
**Subject:- Microbiology**

**Time: 3 Hours**

**Maximum Marks: 75**

- 1) *All questions are compulsory*
- 2) *Attempt all question in serial order.*
- 3) *Illustrate your answer with well labelled diagram.*

- Q.1.** a. Define immunity. (2)  
b. Enlist the type of immunity. (6)  
c. What are the factors influencing innate immunity. (7)
- Q.2.** a. What is AIDS? (2)  
b. Write down the pathology and clinical features (6)  
c. How it is transmitted and prevented. (7)
- Q.3.** Explain procedure of Acid Fast Bacterial Staining in detail. (10)
- Q.4. Write deference between (Any Two) (5x2=10)**  
a. Gram Positive and Gram Negative Bacilli.  
b. Vaccines and Sera.  
c. Sterilization and Disinfection
- Q.5. Write Short notes (Any Five) (5x5=25)**  
a. Hypersensitivity  
b. Antigen and Antibody reaction  
c. Universal precautions  
d. Parasites  
e. Asepsis  
f. Role of a nurse in "Hospital Infection Control Programme"  
g. Laboratory methods for identification of micro-organisms