

# **Madhya Pradesh Medical Science University, Jabalpur**

## **B.Sc. Nursing First Year Main Examination March 2019**

**Paper Code:- 19AN0000101641**

**Subject:- Microbiology**

**Time: 3 Hours**

**Maximum Marks: 75**

- 1) *All questions are compulsory.*
- 2) *Draw diagrams wherever necessary*
- 3) *Answers of Questions and Sub questions must be written strictly according to the Serial Order of question paper otherwise the question shall not be valued.*
- 4) *Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.*
- 5) *Student Can answer the question in both Hindi and English Language.*

- Q.1** a. Classify antigen & antibody reactions. (7)  
b. Describe in detail the agglutination test its uses in the laboratory diagnosis. (8)
- Q.2** a. Define Sterilization. (2)  
b. Enumerate the element of communication process. (5)  
c. Briefly define the barriers of communication with their preventive measures. (8)
- Q.3** a. Define microorganisms. (2)  
b. Describe structure, classification and growth of bacteria. (8)
- Q.4** a. Modes of transmission of hospital acquired infections. (5)  
b. Methods of transfer of antimicrobial resistance. (5)
- Q.5** **Write short notes (any Five)** (5x5=25)  
a. Bacterial growth curve.  
b. Immunoprophylaxis.  
c. Enriched Media  
d. Laboratory diagnosis of enteric fever.  
e. List down the principal of microbiology  
f. Asepsis