

# ***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