

**Madhya Pradesh Medical Science University, Jabalpur**  
**B.Sc. First Year Main Examination February – 2020**  
**Paper Code:- 20AN0000102041**  
**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. What are the relevance of microbiology in nursing. (5)  
b. Enlist principles and importance of microbiology in Nursing. (5)
- Q.2.** a. Define immunity. (2)  
b. Enlist types of immunity. (3)  
c. What are the factors Influencing the innate immunity. (5)
- Q.3.** Describe the bacterial cell with labeled diagram. (10)
- Q.4.** Write difference between; (Any Four) (4x5=20)  
a. Chemotherapy and antibiotics.  
b. Sterilization and disinfection.  
c. Rodents and vectors  
d. Antigen and antibody reaction.  
e. Vaccines and sera.
- Q.5.** Write short notes on: (Any Five) (5x5=25)  
a. Function of Blood.  
b. Typhoid Fever  
c. Biomedical waste management.  
d. Bacterial growth curve.  
e. Role of nurse in hospital infection control programme.  
f. Hypersensitivity.  
g. Morphology of bacteria.