

**Madhya Pradesh Medical Science University, Jabalpur**  
**BSc. Nursing Second Year Examination February 2020**  
**Paper Code:- 20AN0000102121**

Time: 3 Hours

**Subject:- Pharmacology, Pathology, Genetics**

Maximum Marks: 75

- 1) Section- A and Section-B are compulsory.
- 2) Answer section A & B in separate answer scripts.
- 3) Attempt all questions.
- 4) Draw diagrams wherever necessary
- 5) 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
- 6) 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.
- 7) Student can answer the questions in both Hindi/English language.

**Section-A (Pharmacology)**

- Q. 1** a. Define Antibiotic (2)  
b. Classification of Sulphonamide (5)  
c. Write in detail Pharmacological action & Nurses responsibility of Sulphonamide group of drugs (8)
- Q.2** Write Short Notes On: (Any 3) (3X5=15)  
a. Anti Hypertensive drugs  
b. Bronchodilators  
c. NSAID  
d. What precautions you will take before and during infusion drip
- Q.3** Short answer question (Any four) (4X2=8)  
a. Uses of Aspirin  
b. Define Pharmacodynamics  
c. Side effects of penicillin  
d. Two drug used in angina pectoris  
e. Two uses of heparin

**Section-B Pathology (25 Marks) & Genetics (12 Marks)**

- Q.1.** Define tuberculosis and describe its pathophysiology. 10
- Q.2.** a. What is pericardial Effusion. (2)  
b. Discuss the pathological changes taking place in disease condition. (3)
- Q.3.** a. Define peptic ulcer (2)  
b. Write its causes & pathophysiology. (5)  
c. Enlist sign & symptoms of peptic ulcer. (3)
- Q.4.** Write short notes on: (Any Three) (3x4=12)  
a. Down syndrome  
b. Mutation  
c. Blood Groups.