

## SECOND YEAR BASIC B. SC. (NURSING) EXAMINATION

AUGUST- 2019

SUB : PHARMACOLOGY, PATHOLOGY AND GENETICS

Time: 3 Hours]

Code: 10165

[Total Marks: 75

- Instructions:** i) Write each section in separate answer book.  
 ii) Figures to the right indicate full marks.  
 iii) Draw diagrams wherever necessary.

**SECTION- A****(PHARMACOLOGY-38 MARKS)**

**Q – 1.** Define Pharmacology. Describe various routes of administration of drugs. **(2 + 8=10)**

**OR**

Define Antibiotics. Write a note on Cephalosporins.

**Q – 2.** Write Mechanism of action and therapeutic uses of followings: **(Any FOUR) (3X4=12)**

- |               |             |               |
|---------------|-------------|---------------|
| 1) Atenolol   | 2) Ramipril | 3) Nimesulide |
| 4) Nifedipine | 5) Atropine | 6) Nitrites   |

**Q – 3.** Write short notes on followings **(Any FOUR) (4X4=16)**

- |                     |                        |
|---------------------|------------------------|
| 1) Pharmacokinetics | 2) Anticholinesterases |
| 3) Anaesthesia      | 4) Anti ulcer agents   |
| 5) Hypertension     | 6) Digitalis in CCF    |

**SECTION- B****(PATHOLOGY & GENETICS-37 MARKS)**

**Q – 4.** Define the following: **(Any FIVE) (1X5=05)**

- |                 |            |              |
|-----------------|------------|--------------|
| 1. Bronchitis   | 2. Atrophy | 3. Neoplasia |
| 4. Phagocytosis | 5. Emboli  | 6. Ischemia  |

**Q – 5.** Write Short note on: **(Any FOUR) (5X4=20)**

- |                        |                                  |
|------------------------|----------------------------------|
| 1. Ulcerative colitis  | 2. Bronchial Asthma              |
| 3. Nephrotic syndrome. | 4. Normal characteristic of CSF. |
| 5. Jaundice            |                                  |

**Q – 6.** Write Short Note on: **(Any THREE) (4X3=12)**

- |                        |                           |
|------------------------|---------------------------|
| 1. Down syndrome       | 2. Infertility            |
| 3. Genetic counselling | 4. Sex linked inheritance |