



**RG-020103**

Seat No. \_\_\_\_\_

**Second Year Basic B. Sc. (Nursing) Examination**

**February - 2019**

**Pharmacology,  
Pathology & Genetics**

Time : 3 Hours]

[Total Marks : 75

**SECTION - I (Pharmacology) (38 Marks)**

- 1 Write long answer : (any **one** out of two) 1×15
- (a) Define and classify anti hypertensive drugs. 5
  - (b) Explain detailed pharmacology of Dopamine. 5
  - (c) Discuss role of nurse in anti hypertensive drugs. 5
- OR**
- 1 (a) Define and classify Analgesic Drugs. 5
- (b) Explain in detailed pharmacology of Paracetamol. 5
  - (c) Discuss role of nurse in Analgesic drugs. 5
- 2 Write short notes on the following : (any **three** out of five) 3×5=15
- (a) Mechanism and action of anti cholinergic drugs
  - (b) Various routes of drug administration
  - (c) Indication, contraindications and side effect of Heparin
  - (d) Steroids
  - (e) Diazepam.
- 3 Answer in brief the following : (any **four** out of six) 4×2=8
- (a) Pharmacology
  - (b) Anti histamin
  - (c) Decongestants
  - (d) Antacids
  - (e) Anti septic
  - (f) Immunosuppressant

**SECTION - II (Pathology & Genetics) (37 Marks)**

- 4 Long essay : (answer any **one**) **1×10=10**
- (a) Define and classify inflammation. **3**
  - (b) Causes of inflammation. **3**
  - (c) Discuss phagocytosis and killing. **4**

**OR**

- 4 (a) Define tuberculosis. **2**
- (b) Mention the differences between primary and secondary tuberculosis. **3**
- (c) Write briefly about microscopic features of tuberculosis. **5**

- 5 Short essay : (answer any **three**) **3×5=15**
- (1) Phagocytosis
  - (2) Typhoid fever
  - (3) Down syndrome
  - (4) Mutation
  - (5) Types of necrosis.

- 6 Write short answers : (any **four**) **4×3=12**
- (1) Define Genomics.
  - (2) Euchromatin
  - (3) Define Jaundice.
  - (4) Prenatal diagnosis
  - (5) Causes of congenital anomaly
  - (6) Mention two autosomal dominant and two autosomal recessive disorders.