



**NE-020103**

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

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

**January - 2017**

**Pharmacology, Pathology & Genetics**

Time : 3 Hours]

[Total Marks : 75

- Instructions :** (1) All questions are compulsory.  
(2) Figures to the right indicate full marks.  
(3) Draw diagram wherever its necessary.

**SECTION - I**

**(Pharmacology) (38 Marks)**

- 1** Long Essay : (any 1 out of 2) **1×15=15**
- (1) (a) Define pharmacology. **2**  
(b) Describe routes and principles of drug administration. **13**
- (2) (a) What are Antihypertensive drugs? **2**  
(b) Classify Antihypertensives ? **4**  
(c) Explain Diuretics in detail. **9**
- 2** Short Essay : (any 3 out of 5) **3×5=15**
- (1) AYUSH.  
(2) Pharmacology of penicillin.  
(3) Classify and explain mechanism of action of Antiasthmatics.  
(4) Role of nurse with thrombolytic drug administration.  
(5) Pharmacokinetics of Digitalis preparations.
- 3** Short Answers : (any 4 out of 6) **4×2=8**
- (1) Adverse effects of sulfonamides  
(2) Antidotes  
(3) Contraindication for prednisone  
(4) List down urinary antiseptics  
(5) Drug interactions  
(6) Indications for Atropin.

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

- 1** Long Essay : (any one) **1×10=10**
- (a) Define Tuberculosis **1**
- (b) Mention the difference between primary and secondary Tuberculosis **5**
- (c) Write briefly about microscopic feature of Tuberculosis. **4**

**OR**

- 1** Define neoplasia and discuss in detail about the difference between benign and malignant neoplasms. **10**
- 2** Short Essay : (any **three**) **3×5=15**
- (a) Complications of Diabetes Mellitus
- (b) Typhoid Fever
- (c) Aneurysms
- (d) Bronchiectasis
- (e) Stages of wound healing.
- 3** Very Short Essay : (answer all) **6×2=12**
- (a) Gene therapy
- (b) Turner's syndrome
- (c) Karyotyping
- (d) Genetic counseling
- (e) Nucleotide
- (f) Erythroblastosis fetalis.