



**BCH-20103**    Seat No. \_\_\_\_\_

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

**January – 2016**

**Pharmacology, Pathology & Genetics**

Time : 3 Hours]

[Total Marks : 75

**SECTION - I (Pharmacology)**

- 1**    Long essay : (any one out of two) **1×15=15**
  - (1)    (a)   Define and classify Asthma and Anti-Asthmatic    **10**  
              drugs with suitable examples. Write down detail  
              pharmacology on Bronchodilators.
  - (b)   Nursing care during Anti-asthmatic drug therapy.    **5**
  - (2)    (a)   Define and classify anti-hypertensive and    **5**  
              anti-arrhythmic drugs with suitable examples.
  - (b)   Role of ACE inhibitors in Hypertension.    **5**
  - (c)   Nursing care in the Prevention of Hyperlipidemia.    **5**
- 2**    Short essay : (any three out of five) **3×5=15**
  - (1)    Define and classify oral hypoglycaemic drugs with two  
          examples from each class.
  - (2)    Differentiate Pharmacokinetic and Pharmacodynamics.
  - (3)    Discuss pharmacology of oral contraceptives.
  - (4)    Write down nursing care of following drugs :
    - (a)    Streptomycin
    - (b)    Tetracycline
  - (5)    Enlist different factors affecting absorption of drug.  
          Discuss any three factors in detail.
- 3**    Short notes : (any four out of six) **4×2=8**
  - (1)    Enlist different laws for drugs.
  - (2)    Enlist the name of organs from where drugs are excreted  
          and metabolized.
  - (3)    Classify types of Angina Pectoris.
  - (4)    Write down physiological importance of Calcium Iodine.
  - (5)    Write a brief pharmacology on Penicillin-G.
  - (6)    Nursing care during use of Emetics.

## SECTION - II (Pathology & Genetics)

- 4 Long essay : (any one out of two) 1×10=10
- (1) (a) Define Tuberculosis 2  
(b) Explain Pathogenesis of Tuberculosis. 8
  - (2) (a) Define Pathology 2  
(b) Importance of Pathology 3  
(c) Methods of Techniques. 5
- 5 Short Essay : (any three out of five) 3×5=15
- (1) Bone healing
  - (2) Necrosis
  - (3) Morphology of Peptic Ulcer
  - (4) Difference between Benign and Malignant Tumor
  - (5) Explain examination of Urine in Laboratory.
- 6 Short answer : (Compulsory) 6×2=12
- (1) Difference between Mitosis and Meiosis
  - (2) Mutation
  - (3) Gene Therapy
  - (4) Types of neural tube defects
  - (5) Inborn errors of metabolism
  - (6) Structure of DNA.
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