

## Second Year B.Sc. (Nursing) Examination

## Pharmacology, Pathology &amp; Genetics

Date : 24-07-2013, Wednesday]

Time : 3 Hours]

[Max. Marks : 75

- Instructions :
- (1) Answer to the point
  - (2) Figure to the right indicate marks.
  - (3) Write legibly.
  - (4) Draw diagrams wherever necessary.
  - (5) Use separate answer books for each section.

**SECTION-A [PHARMACOLOGY]**

1. Classify adrenergic (sympathomimetic amines) drugs. Describe therapeutic uses and adverse effects of adrenaline. [8]

OR

- 4 Classify Non-steroidal anti-inflammatory drugs (NSAIDs). Describe therapeutic uses and adverse effects of Aspirin. [8]

- 2 Write short notes on [any SIX]: [6x5=30]

- a. Nursing care of a patient suffering from AIDS.
- b. Essential drug.
- c. Adverse effects of Amino-glycoside antibiotics.
- d. Proton pump blockers.
- e. Salbutamol.
- f. Urinary antiseptics.
- g. Vitamin A.
- h. Therapeutic uses and adverse effects of ACE inhibitors.

**SECTION-B**  
**[PATHOLOGY]**

1. Write short notes on any THREE of the following: [3x5=15]
- a. Gastric carcinoma.
  - b. Urine analysis for proteins and sugars.
  - c. Astrocytic tumors.
  - d. Gestational trophoblastic disease.
  - e. Opportunistic infections and neoplasms found in patients with HIV infection.

2. Describe etiopathogenesis of any TWO of the following: [2x5=10]
- a. Emphysema.
  - b. Nephrotic syndrome.
  - c. Benign hyperplasia prostate.
  - d. Acute inflammation.

**[GENETICS]**

3. Write short notes on any THREE of the following: [3x4=12]
- a. Mendelian inheritance.
  - b. Allele and haplotype.
  - c. Incomplete dominance.
  - d. Gene therapy.
  - e. Micro-array.