



62603

Second Basic B.Sc. Nursing Examination, May/June 2011
PHARMACOLOGY, PATHOLOGY AND GENETICS

Total Duration : Section A + B + C = 3 Hours

Section B & C Marks : 60

SECTION – B & SECTION – C

- Instructions :**
- 1) All questions are **compulsory**.
 - 2) The number to the **right** indicates **full marks**.
 - 3) **Draw diagrams** wherever **necessary**.
 - 4) **Do not write anything on the blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.

SECTION – B
(Pharmacology)

2. Answer the following (**any 3** out of 4) : (3×5=15)
 - a) Enumerate various anti-anginal drugs with their route of administration. Write down the treatment of unstable angina.
 - b) Classify laxatives and purgatives. Discuss in brief the pharmacology of any two groups of purgatives.
 - c) What is multibacillary leprosy ? Discuss in brief its treatment.
 - d) Enumerate cholinesterase inhibitors. Discuss in brief the treatment of organophosphorous poisoning with a note on nursing care aspect.
3. Long Answer Question : (1×7=7)

Classify beta-lactum antibiotics. Discuss the mechanism of action, uses and adverse effects of ampicillin.
4. Long Answer Question : (1×8=8)

Answer the following questions with respect to drug therapy to a woman of 30 years of age suffering from bronchial asthma.

 - a) Enlist various drugs used in treatment of bronchial asthma.
 - b) What is the treatment of status asthmaticus ?
 - c) What are the advantages of using inhalational route of drug administration over other routes ?
 - d) What are the drugs for prevention of seasonal asthma ?

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SECTION - C
(Pathology)

5. Answer the following (any 3 out of 4) :

(3×4=12)

- a) Discuss in brief about the pathological features of primary Tuberculosis.
- b) Write a brief note on cross matching of blood.
- c) Give a brief account of uterine leiomyomas.
- d) What are the universal safety precautions a nurse must take while collection of various samples for laboratory tests ?

6. Attempt any 3 LAQ out of 4 :

(3×6=18)

- a) Discuss the pathogenesis and pathological features of diabetic nephropathy.
- b) Discuss semen analysis and its role in evaluation of male infertility.
- c) Discuss classification and pathological features of liver cirrhosis. Enumerate the complications of cirrhosis.
- d) Discuss briefly about the predisposing factors and pathology of acute myocardial infarction and enumerate its complications.