



62603

**Second Basic B.Sc. Nursing Examination, Winter 2016
PHARMACOLOGY, PATHOLOGY AND GENETICS**

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

Total Marks : 75

- Instructions :**
- 1) **Use blue/black** ball point pen only.
 - 2) **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.
 - 3) **All** questions are **compulsory**.
 - 4) The number to the **right** indicates **full** marks.
 - 5) Draw diagrams **wherever** necessary.
 - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
 - 7) Use a common answerbook for **all** Sections.

SECTION – A (40 Marks)

(Pharmacology)

1. Short answer question (**any five** out of six) : **(5×5=25)**
- a) Mention five advantages of intravenous route of drug administration.
 - b) Enumerate disinfectants. What are the uses of Glutaraldehyde ?
 - c) What is Omeprazole ? Mention the uses of Omeprazole.
 - d) Give three examples of mucolytic agents. Explain the role of mucolytic agents in management of Bronchial Asthma.
 - e) What is the difference in vaccine and sera ? Describe the advantage of oral polio vaccine over injectable polio vaccine.
 - f) Enumerate and mention the role of any five drugs used as pre - anaesthetic medication.

P.T.O.



2. Long answer question (**any one** out of two) : (1×15=15)
- a) Enumerate commonly used opioid analgesics. Describe uses of morphine. What is the nurses' responsibility in a patient treated with morphine ?
 - b) Classify anti-tubercular drugs. Explain DOTS mentioning its importance and treatment strategy. What is the role of nurse before and after starting anti-tubercular drugs ?

SECTION – B (29 Marks)

(Pathology)

3. Short answer question (**any four** out of five) : (4×5=20)
- a) Give differences between benign and malignant tumours.
 - b) Describe etiology, pathology and complications of lung abscess.
 - c) Describe gross and microscopic features of Tuberculosis of lymph node.
 - d) Describe the method of blood grouping and its importance.
 - e) Describe causes, pathology and complications of Peptic ulcer.
4. Long answer question (**any one** out of two) : (1×9=9)
- a) Define thrombosis. Describe the pathogenesis and complications of thrombus formation.
 - b) Define inflammation. Describe the role of chemical mediators in inflammation.

SECTION – C (6 Marks)

(Genetics)

5. Short answer question (**any two** out of three) : (2×3=6)
- a) Morphology and classification of human chromosomes
 - b) Sex chromatin (Barr body)
 - c) Down syndrome (Trisomy 21).
-