



62603

**Second Basic B.Sc. Nursing Examination, Summer 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 answer book for **all** Sections.

SECTION – A

(40 Marks)

**Pharmacology**

1. Short answer question (**any five** out of six) : (5×5=25)
  - a) Classify routes of drug Administration. Write Advantages of sublingual route of Administration.
  - b) Write uses of Penicillins.
  - c) Write Management of Opioid Poisoning.
  - d) Classify Diuretics. Write uses of thiazides.
  - e) Write Five Atropine Substitutes. Write use of each Atropine Substitute.
  - f) Write uses of Morphine.
2. Long answer question (**any one** out of two) : (1×15=15)
  - a) Classify drugs used for the treatment of hypertension. Write uses and adverse reactions of enalapril.
  - b) Classify Adrenergic drugs. Write Uses and side effects of Adrenaline.

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SECTION – B

(29 Marks)

**Pathology**

3. Short answer question (**any four** out of five) : (4×5=20)

- a) Describe healing of a bone fracture. Mention its complications.
- b) Enumerate the stages of Alcoholic Liver disease. Describe gross and microscopic features of Alcoholic cirrhosis.
- c) Define gangrene and write the differences between dry and wet gangrene.
- d) Describe in-brief the etiology and morphology of various types of renal calculi.
- e) Write a note on Glucose Tolerance Test.

4. Long answer question (**any one** out of two) : (1×9=9)

- a) Define Inflammation. Describe the vascular and cellular changes seen in acute inflammation.
- b) Give indications of Lumbar Puncture. Mention the sites of this procedure. Differentiate between pyogenic, tuberculous and viral meningitis on the basis of CSF examination.

SECTION – C

(06 Marks)

**Genetics**

5. Short answer question (**any two** out of three) : (2×3=06)

- a) Steps(procedure) of karyotyping.
  - b) Clinical features of Down's syndrome(Trisomy21,mongolism).
  - c) Noninvasive prenatal diagnostic procedure.
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