

62603

**Second Basic B.Sc. Nursing Examination, Summer 2017
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) Write the difference between action of Ergometrine and Oxytocin on uterus.
 - b) Enumerate drugs used for treatment of congestive heart failure. Write mechanism of action and adverse effects of any one of them.
 - c) Enumerate various sources of drugs along with suitable examples.
 - d) Write therapeutic uses of adrenergic drugs.
 - e) Write note on Oral Rehydration Solution (ORS).
 - f) Write in brief the drug treatment and nursing role in the management of Organophosphorus Poisoning.

2. Long answer question (any one out of two) : (1×15=15)
 - a) Classify Anti-tuberculosis drugs . Discuss mechanism of action and adverse effects of any one of them. Write in short about Directly Observed Treatment Strategy (DOTS).
 - b) Classify Non Steroidal Anti-inflammatory Drugs (NSAIDs). Discuss mechanism of actions, therapeutic uses and adverse effects of aspirin with a note on nursing responsibility during aspirin therapy.

**SECTION – "B" (29 Marks)****(Pathology)**

3. Short answer question (any four out of five) : (4×5=20)
- a) Describe healing of a wound by primary union.
 - b) Define gangrene. Write the differences between dry gangrene and wet gangrene.
 - c) Define cirrhosis. Describe the classification.
 - d) Describe the gross and microscopic features of uterine leiomyoma.
 - e) Describe gross and microscopic appearance of typhoid ulcer.
4. Long answer question (any one out of two) : (1×9=9)
- a) Define oedema. Mention differences between transudate and exudate. Describe pathogenesis of oedema.
 - b) Describe collection and physical examination of urine.

SECTION – "C" (06 Marks)**(Genetics)**

5. Short answer question (any two out of three) : (2×3=6)
- a) Amniocentesis.
 - b) X-Linked recessive inheritance.
 - c) Methods for Gene transfer in Gene therapy.