



62603

**Second Basic B.Sc. Nursing Examination, Winter 2018
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) Enumerate five antimalarial drugs. Write treatment regimens of uncomplicated vivax malaria.
 - b) Write therapeutic uses and adverse effects of anticholinergic drugs.
 - c) Write a note on antiplatelet drugs.
 - d) Write name of four benzodiazepines. Write their therapeutic uses and adverse effects.
 - e) Write a note on uterine stimulants.
 - f) Enumerate antiemetics. Write mechanism of action and adverse effects of any one of them.

2. Long answer question (**any one** out of two) : (1×15=15)
 - a) Enumerate various routes of drug administration along with suitable examples. Write advantages and disadvantages of intravenous route of drug administration. Write nursing responsibility during intravenous infusion of normal saline.
 - b) Enumerate Glucocorticoids. Write mechanism of action, therapeutic uses and adverse effects of glucocorticoids.

P.T.O.



SECTION – B (29 Marks)
(Pathology)

3. Short answer question (**any four** out of five) : (4×5=20)
- a) Define pneumonia. Mention the different stages and complications of lobar pneumonia.
 - b) Describe the gross and microscopic features of uterine leiomyoma.
 - c) Describe the laboratory diagnosis of diabetes mellitus.
 - d) Describe the differences between dry and wet gangrene.
 - e) Define thrombosis. Describe the fate of a thrombus.
4. Long answer question (**any one** out of two) : (1×9=9)
- a) Classify breast tumours. Describe gross and microscopic features of infiltrating duct cell carcinoma.
 - b) Define neoplasia. Mention the routes of spread and laboratory diagnosis of neoplasia.

SECTION – C (06 Marks)
(Genetics)

5. Short answer question (**any two** out of three) : (2×3=6)
- a) Down Syndrome or Trisomy 21.
 - b) Chromosome Morphology.
 - c) X-Linked Recessive Inheritance.
-