

Fourth Semester B.Sc. Nursing (2022)
Examination, (Phase - III) Winter - 2024
PHARMACOLOGY & PATHOLOGY - (I & II) AND GENETICS

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

Section B & C Marks : 61

SECTION - B & SECTION - C

- Instructions :**
- 1) Use **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 - B
(Pharmacology)

2. **Essay : (Any 1 out of 2)** **[1×10=10]**
- a) Describe various types of antiemetics. Explain in detail mechanism of action and indications of 5-HT antagonists.
 - b) Classify antihypertensive agents. Describe in detail mechanism of action, therapeutic uses and nurses responsibilities of calcium channel blockers.
3. **Short Notes : (Any 3 out of 4)** **[3×5=15]**
- a) Pharmacological management of acute asthmatic attack and nurses responsibilities.
 - b) Describe mechanism of action and therapeutic uses of oxytocin. -
 - c) Describe mechanism of action and therapeutic uses of benzodiazepines.
 - d) Describe in detail preanesthetic medications.

P.T.O.

- 4. Very Short Notes : (Any 3 out of 4)** **[3×2=6]**
- a) Types of hormone replacement therapy.
 - b) Therapeutic uses of antihistamine agents.
 - c) Enlist opioids antagonists and its indications.
 - d) Therapeutic uses of adrenergic blockers.

(Pathology)

- 5. Short Notes : (Any 3 out of 4)** **[3×5=15]**
- a) Define Metaplasia. Describe its type with examples.
 - b) Define Pneumonia. Describe Pathology of Broncho pneumonia.
 - c) Wound Healing by Primary intention.
 - d) Differentiate between Transudate and Exudate.

- 6. Very Short Notes : (Any 3 out of 4)** **[3×2=6]**
- a) Define and types of Embolism.
 - b) Define and classify Aneurysms.
 - c) Define Hyperplasia and Hypertrophy.
 - d) Complications of Cirrhosis of Liver.

SECTION - C
(Genetics)

- 7. Short Notes : (Any 1 out of 2)** **[1×5=5]**
- a) Gene therapy
 - b) Mendel's law of inheritance.
- 8. Very Short Notes : (Any 2 out of 3)** **[2×2=4]**
- a) Define inborn errors of metabolism and write two examples of it.
 - b) Karyotyping.
 - c) Causes of spontaneous abortion.

