

Fourth Semester B.Sc. (Nursing) Examination,
Summer - 2024 Phase - II

PHARMACOLOGY - II, PATHOLOGY - II AND GENETICS

Total Duration : Section A+B = 3 Hours

Section B Marks : 61

SECTION - B

- 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 the 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 section B.

(Pharmacology)

2. **Essay: (Any 1 out of 2)** **[1 × 10 = 10]**

- a) Classify oral hypoglycaemic agents. Explain in detail about mechanism of action, major side effects and nurses responsibilities of sulfonylureas.
- b) Describe types of antiepileptic drugs in brief. Explain in detail about mechanism of action, indications and nurses responsibilities of sodium valproate.

3. **Short Notes (Any 3 out of 4) :** **[3 × 5 = 15]**

- a) Describe various types of oral contraceptives.
- b) Describe general principles of prescribing drugs.
- c) Describe mechanism of action and therapeutic uses of beta blockers.
- d) Describe drugs used in peptic ulcer disease.

4. **Very Short Notes (Any 3 out of 4) :** [3 × 2 = 6]
- Classify types of vaccine and give example for each.
 - Enumerate parts of prescription.
 - Enlist factors affecting drug action.
 - Enlist various parenteral routes of drug administration.

(Pathology)

5. **Short Notes (Any 3 out of 4) :** [3 × 5 = 15]
- Define Hyperplasia. Describe Benign Hyperplasia of Prostate.
 - Describe collection and examination of Semen and its importance in Infertility.
 - Discuss the pathological features of Diabetic nephropathy.
 - Define Thrombosis. Describe the fate of a Thrombus.

6. **Very Short Notes (Any 3 out of 4) :** [3 × 2 = 6]
- Indications for Bone marrow study.
 - Classify Breast tumours.
 - Complication of Infective Endocarditis.
 - Laboratory Diagnosis of Neoplasia.

(Genetics)

7. **Short Notes (Any 1 out of 2) :** [1 × 5 = 5]
- Role of nurse in genetic counselling.
 - Prenatal testing and diagnosis.

8. **Very Short Notes (Any 2 out of 3) :** [2 × 2 = 4]
- Structural chromosomal aberrations
 - Turner's syndrome.
 - Genetic haemochromatosis.

