

FOURTH SEMESTER B.Sc. NURSING EXAMINATIONS

Pharmacology-II, Pathology-II and Genetics

Total Duration : 3 Hrs.

Total Marks : 75

- Instruction:**
- 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. This format is a mere guideline. Questions from the syllabus can be asked in any paper. Students cannot claim that the Question is out of syllabus, as this format and distribution has been given only for the sake of placement.**
 - 7) **Use a common answer book for all sections.**

SECTION – A (PHARMACOLOGY)

2. Essay : (Any 1 out of 2) **(1x10=10)**
- a) Enumerate steps of prescribing medications. Describe in detail about prescribing competencies.
 - b) Classify diuretics. Describe in detail about mechanism of action, adverse effects and nursing responsibilities of thiazide diuretics.
3. Short Notes : (Any 3 out of 4) **(3x5=15)**
- a) Describe in detail about opioid analgesics.
 - b) Describe in detail about anticholinergics drugs: Therapeutic uses and adverse effects.
 - c) Write a note on adrenergic drugs.
 - d) Describe corticosteroids: Uses and adverse effects.
4. Very Short Notes : (Any 3 out of 4) **(3x2=6)**
- a) Describe in brief bioavailability of the drug.
 - b) Classify antiseptics and give examples of each.
 - c) Types of IV fluids.
 - d) Describe in brief drugs used for de-addiction.

SECTION – B (PATHOLOGY)

5. Short Notes : (Any 3 out of 4) (3x5=15)
- a) Pathology of osteoarthritis.
 - b) Types of necrosis.
 - c) Benign prostate hyperplasia.
 - d) Physical and microscopic examination of stool.
6. Very Short Notes : (Any 3 out of 4) (3x2=6)
- a) Difference between gastric and duodenal ulcer.
 - b) Pathogenesis of atherosclerosis.
 - c) Types of renal calculi.
 - d) Vascular events of acute inflammation.

SECTION – C (GENETICS)

7. Short Notes : (Any 1 out of 2) (1x5=5)
- a) Describe in detail about X linked pattern of inheritance.
 - b) Describe any two hereditary hematological disorders in detail.
8. Very Short Notes : (Any 2 out of 3) (2x2=4)
- a) Preimplantation genetic diagnosis.
 - b) Explain in brief about consanguinity as genetic risk.
 - c) Indications of genetic counselling.
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