

**Second Basic B.Sc. Nursing
Examination, Summer (Phase - II) 2019
PHARMACOLOGY, PATHOLOGY & GENETICS**

Total Duration : 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 answer book for all sections.

**SECTION-A (40 Marks)
(Pharmacology)**

1. Short answer questions (**any five** out of six) : **[5 × 5 = 25]**
- a) Write briefly on uses and adverse effects of Atropine.
 - b) Enumerate drugs used for treatment of peptic ulcer. Write indications for use proton pump inhibitors.
 - c) Define Bioavailability. Enumerate the factors affecting Bioavailability.
 - d) Enumerate oral iron preparations. Write indications and adverse effects of oral iron preparation.
 - e) Write advantages of Benzodiazepines over barbiturates.
 - f) Classify Sympathomimetics (Adrenergic drugs). Write three uses of Adrenaline.

2. Long answer questions (**any one** out of two) : [1 × 15 = 15]
- a) Enumerate different routes of drug administration with one example of each route. Write advantages of parenteral routes over oral route.
 - b) Classify Penicilline. Write therapeutic and prophylactic uses, adverse effects, drug interactions of Benzathine Penicillin.

SECTION-B (29 Marks)
(Pathology)

3. Short answer questions (**any four** out of five) : [4 × 5 = 20]
- a) Define granuloma. Describe microscopic features & give examples.
 - b) Define embolism. Describe the effects of embolism.
 - c) Define pneumonia. Describe pathology of bronchopneumonia in brief.
 - d) Define acute inflammation. Discuss cellular events in acute inflammation.
 - e) Enumerate causes of haematuria. Describe tests for detection of blood in urine.
4. Long answer questions (**any one** out of two) : [1 × 9 = 9]
- a) Discuss the pathogenesis and pathological features of diabetic nephropathy.
 - b) Classify ovarian tumours. Describe gross and microscopy of benign cystic teratoma of ovary.

SECTION-C (6 Marks)
(Genetics)

5. Short answer question (**any two** out of three) : [2 × 3 = 6]
- a) Write note on infertility.
 - b) Translocation.
 - c) Down's syndrome (Trisomy 21).

