



62603

Second Basic B.Sc. Nursing Examination, Winter 2017
PHARMACOLOGY, PATHOLOGY AND GENETICS

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

Total Marks : 75

SECTION – A, SECTION – B & SECTION – C

- 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) Define bioavailability. Enumerate any four factors affecting bioavailability of a drug.
 - b) Write uses and adverse effects of penicillins.
 - c) Write a short note on Oral Rehydration Solution (ORS).
 - d) Enumerate any five vaccines used for immunization of infant and children along with their route of administrations and schedule.
 - e) Write name of four anticholinergic drugs. Write their uses and adverse effects.
 - f) Enumerate any four Diuretics. Write uses and adverse effects of any one of them.

2. Long answer question (**any one** out of two) : **(1×15=15)**
 - a) Classify anti anginal drugs. Write treatment of Myocardial Infarction (MI). What are the nursing responsibilities in the management of myocardial infarction ?
 - b) Classify drugs used for treatment of diabetes. Write the mechanism of action, uses and adverse effects of any one of them. What are the nursing responsibilities during insulin administration ?

P.T.O.



SECTION – B (29 Marks)
(Pathology)

3. Short answer question (**any four** out of five) : (4×5=20)
- a) What is primary complex ? Give the fate of primary complex. 3
 - b) Mention sites of CSF collection, indications of CSF examination and describe microscopic features in bacterial meningitis. 2
 - c) Mention the gross and microscopic features of benign prostatic hyperplasia. 2
 - d) Mention the sites of bone marrow aspiration in adults and in infants. Mention the indications of bone marrow examination. 3
 - e) Describe the gross and microscopic features of chronic pyelonephritis.
4. Long answer question (**any one** out of two) : (1×9=9)
- a) Classify ovarian tumours. Describe gross and microscopy of benign cystic teratoma of ovary.
 - b) Define neoplasia and write the differences between benign and malignant tumors. 2

SECTION – C (6 Marks)
(Genetics)

5. Short answer question (**any two** out of three) : (2×3=6)
- a) Mendel's laws 3
 - b) Steps of Karyotyping
 - c) Turner's syndrome. 3
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