



62603

**Second Basic B.Sc. Nursing Examination, Summer 2015  
PHARMACOLOGY, PATHOLOGY AND GENETICS**

Total Duration : Section A+B+C = 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 question (**any five** out of six) :

- a) Classify oral hypoglycemic drugs with examples. How will you treat hypoglycemia? <sup>(5x5=25)</sup> *hormonal* ~~ENDOCRINE~~
- b) Give therapeutic uses of sympathomimetic drugs. *CNS*
- c) Define allergy. Describe types of hypersensitivity reactions.
- d) Compare and contrast ampicillin and amoxicillin. *CHEMO*
- e) Write mechanism of action and uses of ranitidine. *GI*
- f) Define prokinetic drugs, mention two examples and write clinical uses of prokinetic *GI* drugs.

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2. Long answer question (**any one** out of two) : (1×15=15)
- a) Classify opioid analgesics and explain pharmacological action, adverse drug reactions and uses of morphine. *CNS*
  - b) What is myocardial infarction and describe drug therapy for it. *CVS*

**SECTION – B (29 Marks)**

**(Pathology)**

3. Short answer question (**any four** out of five) : (4×5=20)
- a) Differences between Crohn's disease and ulcerative colitis.
  - b) Describe various factors affecting wound healing.
  - c) Classify cirrhosis of liver on the basis of etiology. Mention the complications.
  - d) Define inflammation. Describe vascular events of acute inflammation.
  - e) Laboratory investigations in myocardial infarction.
4. Long answer question (**any one** out of two) : (1×9=09)
- a) Write the two sites of CSF collection. Mention the indications of CSF examination. Differentiate between the pyogenic, tuberculous and viral meningitis on the basis of CSF examination.
  - b) Classify breast tumours. Describe gross and microscopic features of infiltrating duct cell carcinoma.

**SECTION – C (6 Marks)**

**(Genetics)**

5. Short answer questions (**any two** out of three) : (2×3=6)
- a) Write on sex linked inheritance.
  - b) Gene therapy.
  - c) Genetic counselling.
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