

Second BASIC B.SC. NURSING, Winter 2014

Pharmacology, Pathology & 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 section.

Section "A" (40 Marks)**Pharmacology**

1. Short answer question (**any five** out of six) : (5x5=25)
 - a) Enumerate different Insulin preparations. Write in short uses of Insulin
 - b) Give advantages of sublingual route . Name 2 drugs given by this route with their uses.
 - c) Write mechanism of action and uses of Aspirin.
 - d) Mention any five factors affecting drug bioavailability.
 - e) Write advantages of Benzodiazepines over Barbiturates
 - f) Enumerate antacids. Why they are always used as combinations?
2. Long answer question (**any one** out of two) : (1x15=15)
 - a) Classify Penicillins. Write mechanism of action , uses and adverse effects of penicillin-G.
 - b) Classify antianginal drugs. Write mechanism of action , uses and adverse effects of Nitrates.

Section "B" (29 Marks)**Pathology**

3. Short answer question (**any four** out of five) : (4x5=20)
 - a) Enumerate four morphological patterns of acute inflammation with one example each.
 - b) Define an infarct. Enumerate the conditions where red (hemorrhagic) infarcts may occur.
 - c) What are the patterns of inheritance in mendelian disorders? Give one example of each.
 - d) Enumerate the CSF findings in a case of tubercular meningitis.
 - e) Enumerate the peripheral blood findings in a case of Iron deficiency Anemia.
4. Long answer question (**any one** out of two) : (1x9=09)
 - a) Classify pneumonias. Describe the stages in acute lobar pneumonia.
 - b) Describe the steps in cutaneous wound healing. Enumerate the factors that affect wound healing.

P.T.O.

Section "C" (06 Marks)

Genetics

5. Short answer question (any two out of three) :

(2x3=06)

- a) Role of nurse in genetic counselling
- b) Sex linked inheritance.
- c) Down's syndrome (Trisomy 21).