



62603

Second Basic B.Sc. Nursing Examination, Summer 2018  
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 answerbook for **all** Sections.

SECTION "A" (40 Marks)  
(Pharmacology)

1. Short answer question (**any five** out of six) : (5×5=25)
  - a) Write advantages and disadvantages of oral route of drug administration
  - b) Write therapeutic uses of adrenaline.
  - c) Write names of five antiemetic drugs. Write mechanism of action and adverse effects of any one of them.
  - d) Write a short note on oral contraceptives
  - e) Write uses and adverse effects of opioid drugs
  - f) Enumerate iron preparations and write indications for parenteral iron therapy.
  
2. Long answer question (**any one** out of two) : (1×15=15)
  - a) Classify antihypertensive drugs. Write mechanism of action and adverse effects of any one of them along with nursing responsibilities in management of hypertensive patient.
  - b) Enumerate anti malarial drugs. Write mechanism of actions, uses and adverse effects of chloroquine. Write nursing responsibilities in management of malaria patient.



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  - 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) Write the difference between action of Ergometrine and Oxytocin on uterus.
  - ~~b)~~ Enumerate drugs used for treatment of congestive heart failure. Write mechanism of action and adverse effects of any one of them.
  - c) Enumerate various sources of drugs along with suitable examples.
  - d) Write therapeutic uses of adrenergic drugs.
  - ~~e)~~ Write note on Oral Rehydration Solution (ORS).
  - f) Write in brief the drug treatment and nursing role in the management of Organophosphorus Poisoning.
  
2. Long answer question (any one out of two) : (1×15=15)
  - a) Classify Anti-tuberculosis drugs . Discuss mechanism of action and adverse effects of any one of them. Write in short about Directly Observed Treatment Strategy (DOTS).
  - b) Classify Non Steroidal Anti-inflammatory Drugs (NSAIDs). Discuss mechanism of actions, therapeutic uses and adverse effects of aspirin with a note on nursing responsibility during aspirin therapy.

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SECTION – "B" (29 Marks)  
(Pathology)

(4×5=20)

3. Short answer question (any four out of five) :
- Describe healing of a wound by primary union.
  - Define gangrene. Write the differences between dry gangrene and wet gangrene.
  - Define cirrhosis. Describe the classification.
  - Describe the gross and microscopic features of uterine leiomyoma.
  - Describe gross and microscopic appearance of typhoid ulcer.
4. Long answer question (any one out of two) :
- Define oedema. Mention differences between transudate and exudate. Describe pathogenesis of oedema.
  - Describe collection and physical examination of urine.

(1×9=9)

SECTION – "C" (06 Marks)  
(Genetics)

(2×3=6)

5. Short answer question (any two out of three) :
- Amniocentesis.
  - X-Linked recessive inheritance.
  - Methods for Gene transfer in Gene therapy.

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Total Marks : 75

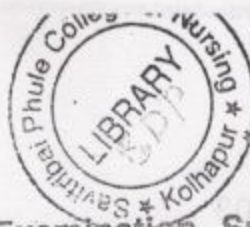
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  - 7) Use a common answerbook for **all** Sections.

**SECTION – "A" (40 Marks)**

**(Pharmacology)**

1. Short answer question (any five out of six) : (5×5=25)
  - a) Write the difference between action of Ergometrine and Oxytocin on uterus.
  - b) Enumerate drugs used for treatment of congestive heart failure. Write mechanism of action and adverse effects of any one of them.
  - c) Enumerate various sources of drugs along with suitable examples.
  - d) Write therapeutic uses of adrenergic drugs.
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2. Long answer question (any one out of two) : (1×15=15)
  - a) Classify Anti-tuberculosis drugs . Discuss mechanism of action and adverse effects of any one of them. Write in short about Directly Observed Treatment Strategy (DOTS).
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Second Basic B.Sc. Nursing Examination, Summer 2014  
PHARMACOLOGY, PATHOLOGY & GENETICS

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

Section B & C Marks: 60

SECTION - B & SECTION - C

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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 - B

(30 Marks)

(Pharmacology)

2. Answer the following (**any three** out of four):

(3×5=15)

- a) What is first pass metabolism and its clinical significance.
- b) Discuss uses of adrenaline in brief.
- c) Write a note on sulfamethoxazole and trimethoprim combination.
- d) Write a note on stimulant purgatives.

3. Classify drugs used in bronchial asthma. Discuss mechanism of action, uses and adverse effects of selective beta 2 agonists.

(1×7=7)

4. Classify antihypertensive agents. Write mechanism of action and adverse effects of enalapril.

(1×8=8)

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SECTION - C  
(Pathology)

5. Answer the following (any three out of four):
  - a) Define Metaplasia. Give four examples.
  - b) Enumerate gross and microscopic changes of Myocardial Infarction with respect to duration of time.
  - c) Classify cirrhosis of Liver on the basis of etiology. Mention the complications.
  - d) Enumerate causes of Haematuria. Describe tests for detection of blood in urine.
6. Answer the following (any three out of four):
  - a) Define Neoplasia. Describe the various modes of spread of a malignant tumour.
  - b) Describe methods of blood collection for various hematological investigations. What is the role of a Nurse in collection and dispatch of these samples.
  - c) Mention laboratory investigations in Diabetes mellitus.
  - d) Classify ovarian tumours. Describe gross and microscopy of Teratoma ovary.