

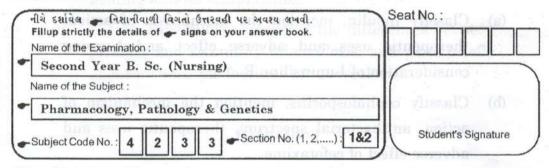
B-4233

Second Year B. Sc. (Nursing) Examination May/June - 2017

Pharmacology, Pathology & Genetics

Time: 3 Hours] [Total Marks: 75

Instructions: (1)



- (2) Attempt all questions.
- (3) Write each section in separate answer books.
- (4) Draw diagrams/Figures whenever necessary.

SECTION - I

1 Short answer questions : (any eight)

 $8 \times 1 = 8$

- (a) Define Bioavailability.
- (b) What is Streptomycin?
- (c) Define Sera.
- (d) Name two oral anti-diabetic Agent.
- (e) List any four indication of Amlodipine.
- (f) Mention any four adverse effect of Digoxin.
- (g) Define Antidotes.
- (h) Name two anti diarrhoeal drug.
- (i) Mention the drug used in the management of arrhythmia.
- (j) List down the two indication of low molecular weight heparin (LMWH).

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2 Short essay: (any four)

 $4 \times 5 = 20$

- (a) NSAIDS.
- (b) Therapeutic uses of Bronchodilators.
- (c) Routes of drug administration.
- (d) Albendazole.
- (e) Therapeutic uses and adverse effect of Atropine.
- 3 Long essay: (any one)

1×10=10

- (a) Classify Insulin, mention the mechanism of action, therapeutic uses and adverse effect and Nursing consideration of Lupinsiline R.
- (b) Classify cephalosporins, mention the mechanism of action, antibacterial spectrum, therapeutic uses and adverse effect of cefotaxime.

SECTION - II (Pathology & Genetics)

(Pathology)

4 Short answer questions : (any five)

5×1=5

- (a) Define Pathology.
- (b) Mention Normal RBC Count.
- (c) Write down the meaning of transudate and exudate.
- (d) Mention two difference between benign and malignant tumors.
- (e) List down five sign of Inflammation.
- (f) Mention two factor affect wound healing.
- (g) Types of biopsies.

5	Short	essay	: ((any	two)
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 $2 \times 5 = 10$

- (a) Semen analysis
- (b) Hepatitis
- (c) Arthritis
- (d) Write down difference between mitosis and meiosis.

6 Long essay: (any one)

1×10=10

- (a) Discuss normal cell cycle and write brief about bone healing and its complication.
- (b) Define Tuberculosis, mention the differences between primary and secondary tuberculosis, and write briefly about microscopic features of tuberculosis.

(Genetics)

7 Short essay: (any two)

 $2 \times 5 = 10$

- (a) Genetic counselling.
- (b) Prenatal genetic testing.
- (c) Role of nurse in genetics.
- (d) X-Linked chromosomal Disorder.

8 Short answer questions: (any two)

 $2 \times 1 = 2$

- (a) Define Eugenics.
- (b) Define down syndrome.
- (c) List down four genetic congenital abnormality in newborn.
- (d) Define Mutation.