



B-4233

Second Year B. Sc. (Nursing) Examination

May/June - 2017

Pharmacology, Pathology & Genetics

Time : 3 Hours]

[Total Marks : 75

Instructions : (1)

नीचे दशांशव निशानीवाणी विगतो उत्तरवडी पर अवश्य दपवी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
Second Year B. Sc. (Nursing)

Name of the Subject :
Pharmacology, Pathology & Genetics

Subject Code No. : 4 2 3 3 Section No. (1, 2,.....) : 1&2

Seat No. :

Student's Signature

- (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) 8×1=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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[Contd...

- 2 Write short notes : (Any Four) 20
- (1) Rifampicin
 - (2) Routes of drugs administration
 - (3) Suppository
 - (4) Phenytoin sodium
 - (5) Insulin preparation
 - (6) Gentamycine.

- 3 Classify non-steroidal anti inflammatory agents and write mechanism of action adverse reaction and uses of aspirin. 10

OR

- 3 Classify anti diabetic agents, mechanism of action and uses of insulin. 10

SECTION -II (Pathology and Genetics) (37 Marks)

- 4 Write answers in short : (Any Seven) 7
- (1) Write definition of pathology.
 - (2) Write down difference between infraction and infection.
 - (3) What is bar body?
 - (4) What meant of phagocytosis?
 - (5) Define necrosis.
 - (6) What is neoplasia?
 - (7) Write types of anemia.
 - (8) Between bronchiectasis and bronchitis.
 - (9) Define inflammation.

- 5 Write short notes : (Any Four) 20
- (1) Edema
 - (2) Typhoid fever
 - (3) Skin wound healing
 - (4) CSF examination
 - (5) Pathology of pulmonary tuberculosis
 - (6) Physical examination of urine

- 6 Describe down syndrome and name five autosomal dominant disorder. 10

OR

- 6 Describe turner syndrome and list benefit of genetic counseling. 10

- 5 Short essay : (any two) 2×5=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) 2×5=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) 2×1=2
- (a) Define Eugenics.
 - (b) Define down syndrome.
 - (c) List down four genetic congenital abnormality in newborn.
 - (d) Define Mutation.