

B.Sc. (Nursing) DEGREE EXAMINATION

FOURTH SEMESTER

PAPER IX – PHARMACOLOGY (I & II) & PATHOLOGY (I & II)
(INCLUDING GENETICS)

Q.P. Code: 652311

Time : Three Hours

Maximum : 75 Marks

Answer Section A and Section B Separately

Answer all the Questions

SECTION – A

PHARMACOLOGY (I & II) - (38 Marks)

I. Multiple Choice Questions:

(7 x 1 = 7)

**Choose one correct answer in the Answer Script. No overwriting should be done.
Choice should be given in Capital Letters.**

1. Thyrotoxicosis is due to an
A) Excessive secretion of thyroid hormone B) Excessive secretion of Insulin
C) Decreased secretion of thyroid hormone D) Decreased secretion of Insulin
2. Streptokinase is obtained from
A) E.coli B) Clostridium tetani
C) Helicobacter pylori D) β-haemolytic streptococci
3. Methotrexate toxicity is antagonized by
A) Iron B) Folinic acid C) Folic acid D) Vit-B12
4. One of the following drug is a potassium retaining diuretic
A) Triamterene B) Trimethoprim C) Tizanidine D) Trimetazidine
5. In prescription writing, bid / bd refers to
A) Once daily B) Twice daily C) Thrice daily D) Four times daily
6. Digoxin induced ventricular arrhythmia can be treated by
A) Dopamine B) Lignocaine C) Acetylcholine D) Adrenaline
7. Drug used in Morphine de-addiction
A) Methadone B) Diazepam C) Disulfiram D) N-acetyl cysteine

II. Essay on:

(1 x 10 = 10)

1. a) Classify NSAIDs.
b) Write the mechanism of action, uses and adverse effects of Paracetamol.
c) Role of nurse in treating Paracetamol over dose.

III. Short notes on:

(3 x 5 = 15)

1. Write an account on Metronidazole.
2. Give a detailed note on Nitroglycerine.
3. Explain about the role of antacids in peptic ulcer.

IV. Very short answers

(3 x 2 = 6)

1. Give any four merits of Sub lingual route of administration.
2. Mention any two advantages of Radioactive iodine.
3. Define Expectorants with example.

SECTION – B

PATHOLOGY (I & II) - (25 Marks)

I. Multiple Choice Questions:

(4 x 1 = 4)

Choose one correct answer in the Answer Script. No overwriting should be done. Choice should be given in Capital Letters.

1. Peptic ulcer mainly occurs in the
A) Stomach B) Large intestine C) Small intestine D) Mouth
2. In the ABO system, blood group “O” is characterized by the
A) Presence of antigen A and absence of antigen B
B) Presence of both antigen A and antigen B
C) Presence of antigen O
D) Absence of both antigen A and antigen B
3. Which of the following infection increases the risk of cancer of female reproductive system
A) Adenoviral infection B) Human papilloma viral infection
C) Rabies infection D) Dengue viral infection
4. Widal test is a serological test for
A) Tuberculosis B) UTI C) Typhoid fever D) Leptospirosis

II. Short notes on:

(3 x 5 = 15)

1. Vascular and cellular events of Acute inflammation.
2. Infective endocarditis.
3. Describe the collection, transport and processing of urine sample.

III. Very short answers on:

(3 x 2 = 6)

1. List the various types of Renal stones.
2. Define cell injury and list out any two causes of it.
3. List out various types of Shock.

GENETICS - (12 Marks)

I. Multiple Choice Questions:

(3 x 1 = 3)

Choose one correct answer in the Answer Script. No overwriting should be done. Choice should be given in Capital Letters.

1. Which of the following is a sex-linked disease
A) Haemophilia B) Enteric fever C) Night blindness D) All of the above
2. A human male with Klinefelter’s syndrome
A) Is fertile B) Has 47 chromosome with XXY
C) Has only one X chromosome D) Has three Y chromosome
3. How many sex chromosomes are present in a human being
A) 1 pair B) 2 pair C) 3 pair D) 4 pair

II. Short notes on:

(1 x 5 = 5)

1. Prenatal diagnosis.

III. Very short answers on:

(2 x 2 = 4)

1. Define Mutation and its types.
2. Spontaneous Abortion.

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Time : Three Hours

Maximum : 75 Marks

Answer Section A and Section B Separately

Answer all the Questions

SECTION – A

PHARMACOLOGY (I & II) - (38 Marks)

I. Multiple Choice Questions:

(7 x 1 = 7)

1. The most suitable tetracycline for use in a patient with impaired renal function is
A) Oxytetracycline B) Doxycycline C) Demeclocycline D) Minocycline
2. By blocking the relaxant action of progesterone on uterus, a drug can induce labour in late pregnancy
A) Mifepristone B) Tamoxifen citrate C) Anastrozole D) Raloxifene
3. Anticoagulant safe during pregnancy
A) Warfarin sodium B) Heparin C) Bishydroxy coumarin D) Rivaroxaban
4. The drug of choice in motion sickness
A) Acetylcholine B) Pilocarpine C) Hyoscine D) Carbachol
5. Vitamin D deficiency results in
A) High plasma calcium level B) Low plasma calcium level
C) Low plasma calcium and phosphate level D) High plasma calcium and phosphate level
6. The drug used in allergic disorders
A) Omeprazole B) Antacids C) Levocetirizine D) Cisapride
7. Amphetamine is a
A) CNS stimulant B) Proton pump inhibitor
C) H₂ antihistamine D) Antimotility agent

II. Essay:

(1 x 10 = 10)

(2+6+2)

1. a) Classify Sedatives and Hypnotics.
b) Write the mechanism of action, uses and adverse effects of Diazepam.
c) Nurse's responsibility in Diazepam over dosage.

III. Short notes:

(3 x 5 = 15)

1. Write a note on Atropine and its congeners.
2. Give an account on Prokinetic agents.
3. Explain in detail about Oral contraceptives.

IV. Very short answers:

(3 x 2 = 6)

1. Mention any four uses of Antiplatelet agents.
2. Name the first line drugs in the treatment of Tuberculosis.
3. Define Synergism with example.

