



ME-5037

Seat No. _____

Second Year B. Sc. (Nursing) Examination

September - 2022

Pharmacology, Pathology & Genetics

Time : 3 Hours]

[Total Marks : 75

Instructions :

- (1) The number to the right side indicates full marks.
- (2) Draw diagrams wherever necessary.
- (3) Answer each section in the respective answer sheet only.
- (4) Answers written in the inappropriate sectional answer book will not be assessed in any case.

SECTION - I (38 Marks) (Pharmacology)

- 1 Short notes : Attempt any three out of five : **3×5**
 - (a) Antibiotics
 - (b) Route and Principles of administration of drugs
 - (c) Diuretics
 - (d) Advantages and disadvantages of Injection
 - (e) Classification of Antiemetic drugs.

- 2 Long Question : **1×7**

Define Pharmacology. Explain scope of pharmacology and write in detail about pharmacodynamics.

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[Contd...

SVEET

3 Long Answer Question : Attempt any one out of two : 1×8

- (a) Explain Insulin Therapy
- (b) Explain Plasma Expanders.

4 Objective type Question : 8×1

1. Action of Gentamycin drug is -
 - (a) Antimetic
 - (b) Antipyretic
 - (c) Aminoglycoside
 - (d) Analgesics
2. Zidovudine is used in
 - (a) HIV
 - (b) CCF
 - (c) Hepatitis
 - (d) Renal Failure
3. Digoxin is not prescribed when heart rate is
 - (a) Below 60
 - (b) Below 70
 - (c) Below 80
 - (d) Below 90
4. Antidote of Heparin
 - (a) Vitamin K
 - (b) Protamine sulphate
 - (c) Aminocarproic Acid
 - (d) Aminodarone
5. The drug of choice for cholera prophylaxis is
 - (a) Doxycycline
 - (b) Procaine Penicillin
 - (c) Glucose
 - (d) Galactose
6. Haloperidol is
 - (a) Antipsychotic drug
 - (b) Antiseptic drug
 - (c) Antidepressant drug
 - (d) Antiarrhythmia

7. One unit insulin syringe contains ml of insulin.
- (a) 0.5 ml (b) 0.025 ml
(c) 0.25 ml (d) 0.05 ml
8. First Pass effect is seen with which route of administration
- (a) Oral route (b) Sublingual
(c) Intramuscular (d) Intravenous

SECTION - B : (37 marks) (Pathology and Genetics)

- 5 Write short notes : Attempt any three out of five : **3×5**
- (a) Genetic Counseling
(b) Screening for congenital abnormalities
(c) Down Syndrome
(d) Infertility
(e) Blood Grouping.
- 6 Long Question : **1×7**
Define Bone marrow. Briefly discuss its procedure and explain nurse's role in bone marrow examination.
- 7 Long Answer Question : Attempt any one out **1×8**
of two :
- (a) Describe morphology and pathology of rheumatic heart diseases.
(b) Describe types of cirrhosis of liver and explain pathophysiology of cirrhosis of liver.

8 Objective type Question :

7×1

1. Codman's Triangle is seen in

- (a) Lobular Carcinoma
- (b) Infiltrating intraductal
- (c) Scirrhous Carcinoma
- (d) Colloid Carcinoma

2. Genetics is the study of

- (a) Structure of the body
- (b) Function of the body
- (c) Genes
- (d) Cell

3. Normal Blood cholesterol level

- (a) 15-30% mg
- (b) 3.4-7% mg
- (c) 60-90% mg
- (d) 150-250% mg

4. The study of abnormal chromosomes and gene is called

- (a) Hematology
- (b) Genetics
- (c) Immunology
- (d) Microbiology

5. Thymus function test is used to examine

- (a) T cell deficiencies
- (b) B cell deficiencies
- (c) Phagocytic dysfunction
- (d) Secondary immune deficiencies

6. Western blot Assay test is used to examine

- (a) Cancer
- (b) HIV/AIDS
- (c) Tuberculosis
- (d) Hepatitis

7. The hallmark of acute inflammation

- (a) Neutrophils
- (b) Macrophages
- (c) Connective tissue
- (d) Granulation tissue