

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

[BSCN 0423]

APRIL 2023

Sub. Code: 4718

(FEBRUARY 2023 EXAM SESSION)

B.Sc. (Nursing) DEGREE EXAMINATION

(Regulations for the candidates admitted from 2006-2007 onwards)

SECOND YEAR

PAPER III – PHARMACOLOGY, PATHOLOGY AND GENETICS

Q.P. Code: 664718

Time : Three Hours

Maximum : 75 Marks

Answer Section A and Section B Separately

SECTION - A
(PHARMACOLOGY)

I. Elaborate on: (1 x 15 = 15)

1. a) What are the factors affecting drug absorption?
- b) Classify the drugs used in congestive heart failure.
- c) Describe the role of nurses in drug administration.

II. Write notes on: (3 x 5 = 15)

1. Uses and adverse effects of Phenytoin.
2. Classify Antiemetics.
3. Second Generation Antihistamines.

III. Short answers on: (4 x 2 = 8)

1. Define Pharmacology.
2. Mention two oral hypoglycaemic drugs.
3. Name two antiplatelet drugs.
4. Name two drugs used in CPR.

SECTION - B
(PATHOLOGY AND GENETICS)
PATHOLOGY

I. Elaborate on: (1 x 15 = 15)

1. a) Define Apoptosis.
- b) Write in detail about causes, morphological changes and Biochemical changes in Apoptosis.
- c) Write the Difference between Apoptosis and Necrosis.

II. Write notes on: (2 x 5 = 10)

1. Nephrotic Syndrome.
2. Write a note on Viral Hepatitis A and Viral Hepatitis B infection.

GENETICS

I. Write notes on: (2 x 5 = 10)

1. Genetic testing.
2. Mutation.

II. Short answers on: (1 x 2 = 2)

1. List out two Autosomal Recessive disorders.
