

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

[BSCN 0622]

JUNE 2022  
(FEBRUARY 2022 SESSION)

Sub. Code: 4718

**B.Sc. (Nursing) DEGREE EXAMINATION**  
(New 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) Classify cholinergic drugs.  
b) Mechanism of action and therapeutic uses of cholinergic drugs.  
c) Cholinesterase inhibitors.

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

1. Aminoglycoside antibiotics.
2. Mucolytics with examples.
3. Pharmacological actions of NSAIDs.

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

1. Differentiate synergism and antagonism.
2. Define Teratogen with example.
3. Write any four antiscabies drugs.
4. Define prodrug.

**SECTION - B**  
**(PATHOLOGY AND GENETICS)**

**PATHOLOGY**

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

1. Define tumour. Discuss about the etiology and lab diagnosis of cancer.

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

1. Septic shock.
2. Viral Hepatitis.

**GENETICS**

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

1. Classify mendelian disorders.
2. Genetic Counselling.

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

1. Name any two uses of Karyotyping.

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