

NADU . MEDICAL

[BSCN 0824]

AUGUST 2024

Sub. Code: 4718

**B.Sc. (Nursing) DEGREE EXAMINATION  
(Regulation 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)

- a) Classify Oral Hypoglycaemic Agent (OHA).
- b) Write in detail about the mechanism of action, uses and adverse effects of Metformin.
- c) Roles and responsibilities of nursing staff in managing hypoglycaemia.

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

1. Write in detail about sulphonamides.
2. Local Anaesthetics.
3. Classify with examples – anticonvulsants.

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

1. Name four anti-histamines.
2. Write the different routes of drug administration.
3. Name four antifungal drugs.
4. Name four anti-arrhythmic drugs.

**SECTION - B  
(PATHOLOGY AND GENETICS)  
PATHOLOGY****I. Elaborate on:** (1 x 15 = 15)

1. Define Jaundice. What is the etiological classification? Write in detail about the etiopathogenesis of Hepatitis.

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

1. Cellular adaptation.
2. Arthritis.

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

1. Marfan syndrome.
2. Down syndrome.

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

1. Define In-born errors. Give an example.

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