

**THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY**

**[BPT 0423]**

**APRIL 2023  
(FEBRUARY 2023 EXAM SESSION)**

**Sub. Code: 6280**

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE  
SECOND YEAR - (Regulation from 2017-2018 onwards)  
PAPER V – MICROBIOLOGY AND PATHOLOGY (Sec A & Sec B)**

*Q.P. Code: 746280*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**Section A and B must be answered in SEPARATE Answer Book**

**SECTION – A  
(MICROBIOLOGY)**

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

1. Define Immunity. Write about pathogenesis and methods of transmission of diseases.

**II. Write notes on:** (5 x 5 = 25)

1. Types of Immunoglobulins.
2. Radiation sterilization.
3. Diphtheria.
4. Shape and arrangement of bacterial cells.
5. Hypersensitivity reactions.

**III. Short answers on:** (5 x 2 = 10)

1. Mantoux test.
2. Inspissation.
3. Gram staining.
4. Widal test.
5. Cultivation of viruses.

**SECTION – B  
(PATHOLOGY)**

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

1. What are the types of necrosis? Elaborate on the types of necrosis.

**II. Write notes on:** (5 x 5 = 25)

1. Rheumatoid arthritis.
2. Factors affecting wound healing.
3. Vitamin A deficiency.
4. Air embolism.
5. Bronchial Asthma.

**III. Short answers on:** (5 x 2 = 10)

1. Complications of Myocardial infarction.
2. Causes for edema.
3. Differences between benign and malignant tumors.
4. Types of calcification.
5. Types of renal stones.

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