

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

**[BPT 0122]**

**JANUARY 2022  
(AUGUST 2021 EXAM SESSION)**

**Sub. Code: 6280**

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE  
SECOND YEAR- (Regulation from 2017-2018 onwards)  
PAPER V – MICROBIOLOGY AND PATHOLOGY  
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 pneumonia, write in detail about its etiology, pathogenesis and Lab diagnosis.

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

1. Structure of antibody.
2. Types of leprosy.
3. Measels.
4. Auto immunity.
5. Difference between Active immunity and passive immunity.

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

1. Cholera red reaction.
2. Hepatitis B Vaccination.
3. Autoclave holding time and temperature.
4. Application of Grams stain.
5. Herd immunity.

**SECTION – B  
(PATHOLOGY)**

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

1. Describe the stages of wound healing by primary intention. Enumerate the factors that influence wound healing. Write a note on fracture healing.

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

1. Types of embolism.
2. Myasthenia gravis.
3. Differences between benign and malignant tumours.
4. Osteomyelitis.
5. Cerebrovascular accidents.

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

1. Types of pathological calcification with mechanism.
2. Complications of myocardial infarction.
3. Rickets.
4. Parkinsonism.
5. Tuberculosis of spine.

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