

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

[BPT 0921]

SEPTEMBER 2021
(FEBRUARY 2021 EXAM SESSION)

Sub. Code: 6258

BPT DEGREE EXAMINATION
SECOND YEAR
PAPER V – MICROBIOLOGY AND PATHOLOGY (SEC A & SEC B)
Q.P. Code : 746258

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 20 = 20)

1. Discuss the physical methods of Sterilization. It's mode of action and application with suitable example.

II. Write notes on: (4 x 5 = 20)

1. Write a brief account on use of high temperature Sterilization.
2. Explain the preparation of culture medium.
3. Contributions of Robert Koch.
4. Cell line culture.

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

1. Differential medium.
2. Bacteriological filter.
3. Tyndalization.
4. Shapes of bacteria.
5. Louis Pasteur.

**SECTION – B
(PATHOLOGY)**

I. Elaborate on: (1 x 20 = 20)

1. Define Shock. What are the types of Shock. Discuss the etiopathogenesis and morphology of Septic Shock.

II. Write notes on: (4 x 5 = 20)

1. Osteomyelitis.
2. Metastasis.
3. Primary Pulmonary Tuberculosis.
4. Gout.

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

1. Scurvy.
2. Differences between Acute and Chronic inflammation.
3. Coagulation Necrosis.
4. Name 4 Bone forming Tumours.
5. Chemical Carcinogens.
