

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

[BPHARM 0522]

**MAY 2022
(SEPTEMBER 2021 EXAM SESSION)**

Sub. Code: 2035

**B.PHARM. DEGREE EXAMINATION
PCI Regulation 2017 – SEMESTER III
PAPER III - PHARMACEUTICAL MICROBIOLOGY
Q.P. Code: 562035**

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)

1. Define sterilization. Explain physical method of sterilization.
2. What is a disinfectant? Evaluation of bacteriostatic disinfectants.
3. Draw and describe the Morphology of Bacteria and give the function of each part of Bacteria

II. Write notes on: Answer any SEVEN questions. (7 x 5 = 35)

1. Electron microscopy
2. Types of spoilage
3. Principle of gram staining technique
4. Sterilization by Filtration
5. IMViC test
6. Bacterial Growth curve
7. Isolation of pure culture technique
8. Sterility indicators
9. Life cycle of virus

III. Short answers on: Answer ALL questions. (10 x 2 = 20)

1. Spore
2. Contamination
3. Flagella
4. Fumigation
5. Physical indicators
6. Grams staining
7. Virus
8. Viable count
9. Fungi
10. Biological indicators.
