

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

[LP 808]

OCTOBER 2019

Sub. Code: 3808

**PHARM. D DEGREE EXAMINATION
(2009-2010 Regulation)
SECOND YEAR
PAPER II – PHARMACEUTICAL MICROBIOLOGY**

Q.P. Code : 383808

Time : Three hours

Maximum : 70 Marks

I. Elaborate on:

(4 x 10 = 40)

1. Discuss the morphological feature of Bacteria with diagram.
2. Describe features influence the growth of Bacteria.
3. Define Immunology. Classify various types of Immunity with examples.
4. Explain stepwise Western blot test procedure.

II. Write notes on:

(6 x 5 = 30)

1. Differentiate selective and differential media with example.
2. Write about the maintenance techniques of lab cultures.
3. Rickettsiae.
4. Validation of biological sterilization methods.
5. Evaluation of preservatives in pharmaceutical formulations.
6. Bacterial exotoxins.
