

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

[LM 808]

MAY 2018

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 in detail about the morphological structure of Bacteria with neat diagram.
2. Discuss the various methods of evaluation of disinfectants.
3. Describe the various steps involved in Phagocytosis process.
4. Discuss on : a) Tuberculosis b) Hepatitis-B.

II. Write notes on:

(6 x 5 = 30)

1. Define staining of bacteria. Explain Gram's staining technique.
2. Write note on various methods of Viable counting of bacteria.
3. Diagnosis and prevention of Cholera.
4. Discuss about southern blotting techniques.
5. Discuss on moist heat sterilization.
6. Write briefly about evaluation of bactericidal activity of disinfectants.
