

[LH 808]

OCTOBER 2015

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. Define validation and explain the validation process.
2. Write in detail about asexual reproduction of bacteria and explain growth and cultivation of bacteria.
3. Explain the various type of counting method.
4. Discuss about factors affecting disinfecting agent.

II. Write notes on :

(6 x 5 = 30)

1. What is stain? Explain Acid fast staining.
2. Comment on carbon, nitrogen and energy requirement of bacteria.
3. Explain isolation of bacteria by pour plate technique and spread plate technique.
4. What is filtration? Explain any two filters used for sterilization.
5. Write a note on differences between Gram positive and Gram negative cell wall.
6. Explain the process of B – cell maturation, activation and differentiation.
