

[LD 808]

**OCTOBER 2013**  
**PHARM. D DEGREE EXAMS**  
**SECOND YEAR**  
**PAPER II - PHARMACEUTICAL MICROBIOLOGY**  
*Q.P. Code : 383808*

**Sub. Code: 3808**

**Time : 3 hours**

**Maximum : 70 marks**

**I. Elaborate on :**

**(2x20=40)**

1. Write on Bacteriostatic and bactericidal evaluation of disinfectant.
2. Elaborate study about growth and reproduction of bacteria.

**II. Write notes on :**

**(10x3=30)**

1. Brief notes on widal test
2. Define immunity and explain naturally acquired active and passive immunity with examples
3. Outline about gradient plate techniques
4. Brief notes on total counting method
5. Differentiate vaccine and sera
6. Give a brief account of Polymer chain reaction
7. How will you Preserve the culture by soil and nitrogen gas method
8. Explain Selective media with example
9. Expand HAT media and its function
10. Outline about phagocytosis

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