

**PY - 304**

**B.Pharmacy III Semester**

Examination, December 2013

**Pharmaceutical Microbiology**

*Time : Three Hours*

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*Maximum Marks : 70*

*Note:* Attempt any Five questions. Each question carry equal marks.

1. Discuss microbial assay of vitamins in detail. 14
2. Write short notes on any two: 7+7
  - a) Preservation of food
  - b) Microbial genetics
  - c) Factors influencing disinfection.
3. a) Discuss historical development and contribution of great scientists in microbiology. 7  
b) Give classification of viruses. 7
4. Give detail account on Nutritional requirements, cultivation and isolation of bacteria. 14
5. Discuss sterility testing of pharmaceutical products in detail. 14

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6. Give classification of microbial diseases. Discuss causative agents mode of transmission and prevention of measles and malaria. 14
7. What do you mean by industrial sewage? Discuss BOD and COD in detail. 14
8. a) Give detail account on microbial assay of antibiotics. 7  
b) Discuss evaluation of antiseptics. 7

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