

Code No. 6041

**FACULTY****B. Pharmacy 2/4 I – Semester (Main) Examination, April 2016****Subject: Pharmaceutical Microbiology****Time: 3 Hrs****Max.Marks: 70****Note: Answer all questions. All questions carry equal marks.**

- 1 a) Distinguish between autotrophs and heterotrophs.  
b) Describe nutritional requirements of bacteria.  
**OR**  
c) Write about the identification and preservation of pure culture.
- 2 a) Write in detail about recombination in bacteria.  
**OR**  
b) Explain in detail about replication of bacterial viruses.
- 3 a) What is phenol coefficient test? Explain in detail about suspension tests.  
**OR**  
b) What are sterilization indicators? Explain in detail.
- 4 a) Discuss the chemical nature of antigens and antibodies. Explain different types of antibodies.  
**OR**  
b) Write about phagocytosis and complement system.
- 5 a) Write in detail about causative organism, mode of transmission, pathogenesis, symptoms, diagnosis, treatment, prevention and control of poliomyelitis and influenza.  
**OR**  
b) Write in detail about microbiology of milk.

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