

FACULTY**B. Pharmacy 2/4 I Semester (Non CBCS) (Backlo) Examination, November 2018****Subject : Pharmaceuticals Microbiology****Time : 3 Hrs****Max. Marks: 70*****Note: Answer all questions. All questions carry equal marks.***

- 1 (a) Write different methods of enumeration of bacteria.
(b) Explain in detail preservation of pure cultures.
OR
(c) Explain different parts of a typical bacteria with neat labeled diagram.
- 2 (a) Explain the replication of bacteriophages and animal viruses.
OR
(b) Write the types of reproduction in bacteria and growth phases of bacteria.
- 3 (a) Explain in detail about different types of disinfectants with their mechanism of action.
OR
(b) Explain the factors influencing disinfectants.
(c) Sterilization indicators and their importance.
- 4 (a) Write about primary and specific defense mechanism of human body.
OR
(b) What are toxins? Explain the types of toxins. Explain the mechanisms of toxins.
- 5 (a) Write in detail about Causative organism, Mode of transmission, pathogenesis, symptoms, diagnosis, treatment, prevention and control of Tuberculosis and influenza.
OR
(b) Write in detail about Causative organism, Mode of transmission, pathogenesis, symptoms, diagnosis, treatment, prevention and control of malaria and whooping cough.
