

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

- 1 (a) Write in detail abt cultivation of aerobic and anaerobic bacteria.
(b) Explain in detail abt Bright field and Dark field microscopy.
OR
(b) Explain in detail abt isolation and enumeration of bacteria.
- 2 (a) What are mutations? Type of mutations. Explain different repair mechanism in bacteria.
OR
(b) Write the differences between simple stain and negative stain. Explain in detail abt Acid fast stain.
- 3 (a) Define Disinfectant, Antiseptic, Inhibitors, Bacteriostat. Explain abt control of microorganism by chemical methods.
OR
(b) What is sterilization? Explain in detail abt Tyndalization, Pasteurization, and Incineration.
- 4 (a) What are serological reactions? Explain in detail abt precipitation and agglutination reactions.
OR
(b) Explain abt Humoral and cell mediated immunity.
- 5 (a) Write in detail abt Causative organism, Mode of transmission, pathogenesis, symptoms, diagnosis, treatment, prevention and control of Tuberculosis and Pertussis.
OR
(b) Write the systematic study of E.Coli.
