

FACULTY

B. Pharmacy 2/4 I Year (Suppl.) Examination, April 2017

Subject : Pharmaceutical Microbiology

Time : 3 Hrs

Max. Marks: 70

Note: Answer all questions. All questions carry equal marks.

1 (a) Describe in detail abt identification of Bacteria.

OR

(b) Describe morphology of a typical Bacterium.

2 (a) Explain in detail direct and indirect methods of isolation of mutants. Explain transduction and conjugation methods of gene transfer in bacteria.

OR

(b) What is growth? Explain the phases of growth.

3 (a) Define Disinfectant, Antiseptic, Inhibitor, Bacteriostat. Write abt factors influencing disinfection.

OR

(b) Describe evaluation of different sterilization methods.

4 (a) What are serological reactions? Explain in detail abt precipitation and agglutination reactions.

OR

(b) What are toxins? Write the differences between Exotoxins and Endotoxins. Explain mechanism of action of diphtheria and cholera toxins.

5 (a) Write in detail abt causative organism, mode of transmission, pathogenesis, symptoms, diagnosis, treatment prevention and control of diphtheria and influenza.

OR

(b) Write in detail abt Microbiology of Milk.
