

Code No. 2761

FACULTY OF PHARMACY**B. Pharmacy II Year I – Semester (Suppl.) Examination, March / April 2013****Subject: Pharmaceutical Microbiology****Time: 3 Hours****Max.Marks: 70*****Note: Answer all questions. All questions carry equal marks.***

- 1.(a) i) Write the methods of identification of bacteria. (10)
ii) Describe the replication phases of viruses. (4)
OR
(b) i) Discuss nutritional and gaseous requirements of bacteria. (10)
ii) Write about the methods of isolation of viruses. (4)
- 2.(a) i) What are mutations? Explain various types of mutations. (4)
ii) Explain repair mechanisms. (10)
OR
(b) i) Explain reproduction and growth phases in bacteria. (10)
ii) Explain simple staining technique. (4)
- 3.(a) i) Explain any 5 groups of disinfectants with mechanism of action and applications. (10)
ii) Write about sterilization indicators. (4)
OR
(b) i) Write about Redial-Walker Test and Chick-Martin test. (10)
ii) Explain about fractional sterilization. (4)
- 4.(a) What are Exotoxins and Endotoxins? Explain in detail about phagocytosis. (4+10=14)
OR
(b) What are antigens and antibodies? Explain in detail about different types of antibodies. (4+10=14)
- 5.(a) i) Write the symptoms, modes of transmission, pathogenesis, diagnosis, prevention and treatment of (a) Diphtheria (b) Poliomyelitis. (10)
ii) What is Imvic Test. (4)
OR
(b) Discuss about streptomyces sps. (14)
