



636216881025

Code No. 1131/CBCS

FACULTY OF PHARMACY

B. Pharmacy III–Semester (CBCS) (Main) Examination, January 2018

Subject: Pharmaceutical Microbiology

Time: 3 Hours

Max. Marks: 70

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

1. a. Explain in detail about external parts of bacteria with neat labeled diagram 8
b. What are protoplasts and spheroplasts? 6

OR
- a. Explain direct microscopic and electronic enumeration of bacteria. 8
b. Explain maintenance of pure culture by Lyophilization. 6
2. a. Write in detail about conjugation and transduction. 14

OR
- b. Explain in detail about lytic and lysogenic cycle in bacteriophages. 14
3. a. Explain control of microorganisms by chemical agents. 14

OR
- b. What are sterilization indicators? Explain Various types in detail. 14
4. a. Explain about primary/non specific first line defense mechanisms. 14

OR
- b. Explain the role of T Helper cells in defense mechanism. 14
5. a. Write in detail about causative organism, Mode of transmission, pathogenesis, symptoms, diagnosis, treatment, prevention and control of malaria. 14

OR
- b. Write in detail about microbiology of milk. 14
