

B. Pharmacy (Fourth Semester)
EXAMINATION, April-May, 2015
(New Course)

PHARMACEUTICAL MICROBIOLOGY

Time : Three Hours] [Maximum Marks : 70

Note : Attempt any five questions. All questions carry equal marks.

1. (a) Discuss historical development and scope of microbiology. 7
- (b) Describe different types of staining techniques. 7
2. (a) Write classification of bacteria with suitable examples. CSVТУonline.com 7
- (b) Write a nutritional requirement of Bacteria. 7
3. Explain the term sterilization. Discuss various sterilization method in detail. 14
4. (a) Discuss in detail about viral taxonomy. 7
- (b) Write a note on isolation and cultivation of animal viruses. 7

5. (a) Write different factors influencing disinfection. 7
- (b) Evaluation of antiseptics. 7
6. (a) Discuss on primary and secondary defensive mechanism of body. 7
- (b) Write a note on Interferon. 7
7. Write notes on any two of the following : 7 each
- (a) Sewage treatment methods
- (b) Microbial assay of vitamin
- (c) Biological oxygen demand
- (d) Taxonomy of spirochetes.