

**341410(41)**

**B. Pharmacy (Fourth Semester) Examination,**

**April-May 2017**

**(New Scheme)**

**(Pharmacy Branch)**

**PHARMACEUTICAL MICROBIOLOGY**

*Time Allowed : Three hours*

*Maximum Marks : 70*

*Note : Attempt any five questions. All questions carry equal 14 marks.*

CSVТУonline.com

1. Describe in detail the structure of bacterial cell with the help of neat and labelled diagram.
2. Discuss about different staining techniques used for identification of bacteria.

**341410(41)**

**PTO**

3. Define disinfectant. Enumerate about physical and chemical methods used for disinfectant.
4. Define sterilization. What are the different sterilization techniques? Discuss about the autoclave.
5. What do you mean by immunity? Write about primary and secondary defensive mechanism of human body.
6. Write note on :
  - (a) BOD and COD (Biochemical oxygen demand and chemical oxygen demand)
  - (b) Sewage management methods in industry.

CSVТУonline.com