

V.P & R.P.T.P SCIENCE COLLEGE
Vallabh Vidyanagar
Internal Test : March 2018
B.Sc Semester IV
Microbiology - US04CMIC01



Date: 13-03-2018
Time : 3.00 pm to 4.30 p.m

Total Marks – 25

N.B. (i) Attempt All Questions. (ii) Marks are indicated on the right.

Q.1. Select the most appropriate answer: (03)

- 1) Following is a virulence factor:
(a) Hyaluronidase (b) Coagulase (c) Streptokinase (d) All of them
- 2) Agitation in fermentor is achieved by:
(a) Impellor (b) Baffle (c) Sparger (d) Thermostat
- 3) Fractional sterilization is also known as:
(a) Dessication (b) Lyophilization (c) Tyndallization (d) Incineration

Q.2. Answer in short (Any Two) (04)

- 1) Which steps must be accomplished by a pathogen to cause infectious disease?
- 2) Enlist the methods employed to control air flora.
- 3) Define the terms: TDP & Plasmolysis.

Q.3. Describe with example: Types of infection. (06)

OR

Q.3. Write a note on normal flora of skin. (06)

Q.4. Describe any two methods used for enumeration of air flora. (06)

OR

Q.4. Draw a neatly labeled diagram of a fermentor & explain the role of a Sparger. (06)

Q.5. Write a note on: Bacteria proof filters (06)

OR

Q.5. Justify: Radiations can be used for control of microorganisms. (06)
