

V.P. & R.P.T.P. Science College  
Internal test (March-2016)  
Microbiology - USO4CMIC01



Time: 03.00 pm to 4.30 pm  
Monday, 14<sup>th</sup> Mar' 2016

Maximum Marks: 25

- N.B. (1) Attempt All Questions.  
(2) Marks are indicated on the left.

Q.1. Select the right Answer: (03)

- The infection having short duration but relatively severe course is called:  
(a) Chronic (b) Acute  
(c) Primary (d) None of these
- Which of the following is a prerequisite to practical industrial microbial processes?  
(a) The organism (b) The medium  
(c) The product (d) All of the above
- Preservation of culture by dehydration in frozen state is called  
(a) Lyophilization (b) Filtration  
(c) Tyndallization (d) None of the above

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

- Compare a gnotobiotic animal to a normal animal.
- What is a droplet nuclei?
- What is Plasmolysis & Plasmoptysis?

Q.3. Describe the normal flora of GIT. (06)

OR

Q.3. Describe the role of toxins as microbial virulence factors. (06)

Q.4. List the methods for enumeration of microorganisms in Air & describe any one. (06)

OR

Q.4. Draw a labeled diagram of a fermentor & explain the significance of each part. (06)

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

OR

Q.5. Name the radiations used for sterilization of different materials.  
Write their mode of action. (06)

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