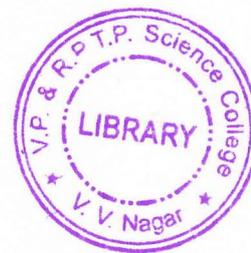


V.P. & R.P.T.P. Science College  
Internal test (March-2015)  
USO4CMIC01



Time: 10.30 am to 12 noon  
Friday, 13<sup>th</sup> Mar' 2015

Maximum Marks: 25

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

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
- Biological contaminants suspended in air are referred as:  
(a) Dust (b) Aerosols  
(c) Droplet (d) Foreign particles
- Spores of *Clostridium botulinum* are killed in 4 to 20 minutes by moist heat at:  
(a) 100°C (b) 110°C  
(c) 120°C (d) 150°C

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

- Compare Exotoxin & Endotoxin.
- List prerequisites of Practical Industrial microbiological process.
- Explain the following terms: Plasmolysis & Lyophilization.

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

OR

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

Q.4. List and Discuss the various methods of control of airborne microorganisms. (06)

OR

Q.4. List the various points to be considered in designing & constructing a fermentor. (06)

Q.5. Write a note on: Bacteriological Filters. (06)

OR

Q.5. Ionizing & Non ionizing radiations can be used for control of microorganisms.  
Justify the statement citing one example of each. (06)

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