

Vitthalbhai Patel & Rajratna P.T.Patel Science College V.V. Nagar

Internal Test: 2019(Semester III)

Date: 07-10-2019

Sub: Microbiology (US03CMIC-22)

Total Marks: - 25

Time: 3-00 p.m. to 4-15 p.m.

Q-1 Attempt all following multiple choice question. (05)

(1) The organisms utilizing organic compounds as carbon source are called:

- (a) Lithotrophs (b) Autotrophs  
(c) Organotrophs (d) Heterotrophs.

(2) Following can be used as a solidifying agent:

- (a) Peptone (b) Gelatin (c) NaCl (d) None of them.

(3) Batch culture is also known as:

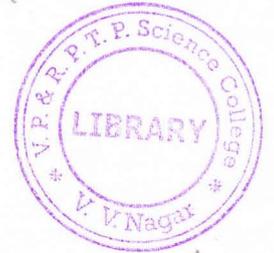
- (a) Closed culture (b) Open culture (c) Both a & b (d) None of them.

(4) The laboratory apparatus using steam for sterilization is:

- (a) Hot air oven (b) Incubator (c) Autoclave (d) Laminar air flow.

(5) Which of the following antibiotic inhibits cell wall synthesis?

- (a) AZT (b) Streptomycin (c) Tetracycline (d) Penicillin.



Q-2 Write a note on nutritional requirements of bacteria. (05)

OR

Q-2 What is isolation? Describe streak plate and spread plate method in detail. (05)

Q-3 Describe normal growth curve of bacteria. (05)

OR

Q-3 Write a note on Diauxic growth. (05)

Q-4 Write a note on Bacteriological filter. (05)

OR

Q-4 Justify: High temperature can be used for control of micro organisms. (05)

Q-5 Write a note on Phenol co-efficient method. (05)

OR

Q-5 Describe the mode of action of Halogens and Detergents. (05)