

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

Internal Test: 2015(Semester III)

Date: 13-03-2015

Sub: Microbiology (US04 EMIC-01)

Total Marks: - 25

Time: 10-30 to 11-30 a.m.

Q-1 Attempt the following multiple choice question. (03)

- (1) Gracilicutes include bacteria
 - (a) Having cell wall of gram positive type
 - (b) Having cell wall of gram negative type
 - (c) Without cell wall
 - (d) None of these
- (2) Organisms that lose their virulence are called
 - (a) Pathogens
 - (b) Virulent
 - (c) Attenuated
 - (d) All of these
- (3) Spores of *Clostridium botulinum* are killed in 4 to 20 mins by moist heat at
 - (a) 100 °C
 - (b) 110 °C
 - (c) 120 °C
 - (d) 150 °C

Q-2 Attempt the following (any two) (04)

- (1) Describe Haeckel's classification.
- (2) What benefits might a human host derive from the normal flora?
- (3) Explain the following terms: (1) Plasmolysis (2) Lyophilization

Q-3 Explain Chemical & Nutritional characteristics used in classification of bacteria. (06)

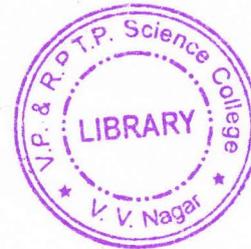
OR

Q-3 Write a brief note on Whittaker's classification. (06)

Q-4 Define infection and explain various types of infection. (06)

OR

Q-4 Write Note on transmission of diseases. (06)



Q-5 Write notes on: Bacteriological Filters. (06)

OR

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

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