

Vitthalbhai Patel & Rajratna P.T.Patel Science College V.V. Nagar
Internal Test: 2015(Semester III)

Date: 01-10-2015

Sub: Microbiology (US03E MIC-01)

Total Marks: - 25

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

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

- (1) Bacterial ribosomes are of this type.
(a) 80 S (b) 70 S (c) 55 S (d) 60 S
- (2) The Magnification of High power objective is:
(a) 10 x (b) 40 x (c) 100 x (d) None of these
- (5) Chemoorganotrophs are:
(a) Organisms using chemical compounds for energy
(b) Organisms using radiant energy
(c) Both a and b
(d) none of above



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

- (1) Write two significance of Capsule.
- (2) Why fixation of smear is necessary?
- (3) List common ingredients of culture media.

Q-3 Write a note on Gram negative Cell wall. (06)

OR

Q- 3 Write a note on Bacterial Endospore. (06)

Q-4 Describe the Principle, working and application of compound microscope. (06)

OR

Q-4 Write a note on Gram Staining. (06)

Q-5 Describe streak plate and spread plate method used for isolation of bacteria. (06)

OR

Q-5 Describe the nutritional requirements of microorganisms. (06)

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