



V.P & R.P.T.P SCIENCE COLLEGE
Vallabh Vidyanagar
Internal Test : 2016
B.Sc Semester III
Microbiology - US03CMIC01

Date: 30-09-2016
Time : 3.00 pm to 4.30 p.m

Total Marks – 25

N.B. (i) Attempt All Questions. (ii) Marks are indicated on the right.

Q.1. Select the most appropriate answer: (03)

- 1) Antiseptic surgical practice was first practiced by:
(a) Paul Ehrlich (b) Joseph Lister (c) Robert Koch (d) Louis Pasteur
- 2) Metachromatic granules contain :
(a) Glycogen (b) Lipids (c) Phosphates (d) Sulfates
- 3) Nigrosine is an example of:
(a) Acidic dye (b) Basic dye (c) Neutral dye (d) Leuco dye

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

- 1) What is Pure culture? Give its importance.
- 2) What is Supravital & Intravital staining.
- 3) What is Pili? Write its functions.

Q.3. Write a note on : Spontaneous generation theory. (06)

OR

Q.3. Write a note on : Germ theory of disease. (06)

Q.4. Write a note on: Gram staining (06)

OR

Q.4. Write a note on: Chemistry of dyes & stains. (06)

Q.5. Write a note on : Cell wall structure (06)

OR

Q.5. Write short notes on: (i) Capsule (ii) Flagellar structure (06)
