

V.P. & R.P.T.P. Science College
Internal test (October-2015)
USO3CMIC01



Time: 3.00 to 4.30 pm
Thursday, 1st Oct' 2015

Maximum Marks: 25

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

Q.1. Select the right Answer: (03)

- Pure cultures of bacteria was first obtained by:
(a) Joseph Lister (b) Paul Ehrlich
(c) Alexander Fleming (d) Louis Pasteur
- Component of dye having the property to bind to biological specimens is:
(a) Chromogen (b) Chromophore
(c) Auxochrome (d) Flurochrome
- Port of entry for genetic material during bacterial mating is:
(a) Magnetosome (b) F pilus
(c) Nucleosome (d) Prosthecae

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

- Write one contribution each of: Martinus Willem Beijerinck & Sergei Winogradsky in the field of Soil Microbiology.
- Define: Mordant & Fixative
- Write one function each of Bacterial Capsule & Cytoplasmic Membrane.

Q.3. Explain the contribution of Robert Koch in the Germ Theory of disease. (06)

OR

Q.3. Explain how Louis Pasteur demonstrated the Principle of Immunization. (06)

Q.4. Explain the Theories of Staining. (06)

OR

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

Q.5. With the help of a diagram explain the structure of: Bacterial Flagella (06)

OR

Q.5. Write a note on: Bacterial Cell Wall (06)
