



V.P. & R.P.T.P. SCIENCE COLLEGE

Internal Examination

B.Sc. Semester III

Microbiology: US03EMIC01

Friday: 30.09.16

Time: 03.00-04.00 P.M.

Total Marks: 25

Q.1. Answer the following multiple choice questions: (03)

- 1) Who discovered Phagocytosis?
(a) Ellie Metchnikoff (b) Paul Ehrlich
(c) John Needham (d) None of them
- 2) Gram Positive cells from which cell wall have been removed is called:
(a) Spheroplast (b) Protoplast
(c) Neoplast (d) None of them.
- 3) The Mordant which is used in Gram's staining is:
(a) Alcohol (b) Basic fuchsin
(c) Gram's iodine (d) All of them

Q.2. Answer in brief (Any 2) (04)

- 1) Give one contribution of following scientists:
(a) Edward Jenner
(b) Antony Van Leeuwenhoek.
- 2) What is Pili? Give its significance.
- 3) Describe the advantages of fixation.

Q-3 Write a note on germ theory of disease. (06)

OR

Q-3 Write a note on developments in the field of Agricultural Microbiology. (06)

Q-4 Write a note on bacterial flagella (06)

OR

Q-4 Explain the structure of bacterial cell wall. (06)

Q-5 Explain the principle & working of Compound Microscope. (06)

OR

Q-5 Write in detail on mechanism of Gram's staining. (06)

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