

V.P. Science College
Internal Exam
B.Sc. Sem III
Microbiology
US03CMIC02



Day: Saturday

Date: 11/10/2014

Time: 2:00 to 3:30 p.m.

Total Marks: 25

Q-1 Answer the following Multiple Choice Questions. (03)

- 1) Bacteria are included in this kingdom of Whittaker's classification
a) Protista b) Fungi c) Monera d) Animalia
- 2) The organisms using organic compounds as carbon source are called
a) Lithotrophs b) Autotrophs c) Heterotrophs d) Phototrophs
- 3) Bacteriophages were discovered by
a) Twort & D'Herelle b) D'Herelle & Theiler c) Pasteur & Koch d) None

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

- 1) Explain Haeckel's classification.
- 2) Describe the use of Peptone in culture media.
- 3) Define: a) Virulent phage b) Prophage

Q-3 What is base composition? Discuss nucleic acid hybridization in bacterial classification. (06)

OR

Q-3 Write in detail on Numerical taxonomy. (06)

Q-4 Describe nutritional requirements of bacteria (06)

OR

Q-4 Explain types of media on the basis of their function (06)

Q-5 Enlist various methods used for cultivation of animal viruses and explain any one in detail. (06)

OR

Q-5 Write in detail on Lysogeny. (06)