

V.P. & R.P.T.P Science College
B.Sc (SEMESTER III) INTERNAL EXAMINATION OCTOBER. 2017
MICROBIOLOGY
USO3CMIC02



Date: 07-10-2017
Time: 03-00 to 04-30 p.m.

Total Marks: 25

- Q-1 Answer the following Multiple choice question (03)
- (1) The Suffix –ales is assigned to which category of taxonomic rank?
(A) Species (B) Order (C) Genus (D) Family.
 - (2) The Organisms which use organic compound as carbon source are called:
(A) Chemotrophs (B) Autotrophs (C) Heterotrophs (D) none of them.
 - (3) Cell cultures are method of choice for propagation of viruses due to:
(A) Relative economy of maintenance compared to animals.
(B) Observable cytopathic effects.
(C) Both A & B
(D)None of them.
- Q-2 Answer in brief (Any Two) (04)
- (1) Define (A) Type strain (B) Classification.
 - (2) MacConkey's medium is a differential medium – Justify.
 - (3) What is the role of repressor protein in lysogeny?
- Q-3 Enlist the criteria used in classification of bacteria & explain any three. (06)
- OR
- Q- 3 Write a note on:
- (a) Haeckel's classification. (03)
 - (b) Numerical Taxonomy. (03)
- Q-4 Write a note on Nutritional types of Bacteria. (06)
- OR
- Q-4 Describe common ingredients of culture media. (06)
- Q-5 Write in detail on Lytic cycle. (06)
- OR
- Q-5 Enlist various methods for cultivation of animal viruses & explain any one in detail. (06)