



DE-1341

M. Sc. (Sem. I) (Microbiology) Examination  
March/April – 2016

Paper - MB - 101 : Taxonomy Virology & Cytology  
(New Course)

Time : Hours]

[Total Marks : 70

Instruction :

नीचे दृशावेव निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी.  
Fillup strictly the details of signs on your answer book.

Name of the Examination :  
M. SC. (SEM. I) (MICROBIOLOGY)

Name of the Subject :  
PAPER - MB - 101 : TAXONOMY VIROLOGY & CYTOLOGY

Subject Code No. : 1 3 4 1 Section No. (1, 2,.....): Nil

Seat No. :  
[ ] [ ] [ ] [ ] [ ] [ ]

Student's Signature

1. Answer any two the following : 18  
  1. Explain the term Procaryotic Species.Explain Genospecies definition based on DNA-DNA Hybridzation.
  2. Justify :ICTVdB is a universal database for classification of viruses.
  3. Discuss in detail IPR.
- 2 . Answer any two the following : 18  
  1. Explain the role of one step growth curve in the study of virus-host interaction.
  2. Explain giving examples replication of Large DNA genomes.
  3. Justify : Viral properties are conductive to the survival of viruses in nature.
- 3 . Answer any two the following : 18  
  1. Describe lysogenic replication of phage P1 in comparision to lambda phage.
  2. Discuss the evolution of natural biology of phages.
  4. Explain &structure &reproduction of Phage phi X174.
4. Write notes on (any two) : 16  
  1. Peroxisomes.
  2. Chloroplast.
  3. Microtubules.