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 :

1. Answer any two the following : 18
   1. Explain the term Procaryotic Species. Explain Genospecies definition based on
      DNA-DNA Hybridization.
   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 Φ1 in comparision to lambda phage.
   2. Discuss the evolution of natural biology of phages.

4. Write notes on (any two) : 16
   1. Peroxisomes.
   2. Chloroplast.