DMM-3084

B. Sc. (Microbiology) (Sem. IV) Examination
March / April - 2016

MB-09 : Taxonomy of Eukaryotic
Microorganisms & Vectors

Time : 2 Hours] [Total Marks : 50

Instructions :

(1) Fill up strictly the details of your answer book.

Name of the Examination : B. Sc. (Microbiology) (Sem. IV)
Name of the Subject : MB-09 : Taxonomy of Eukaryotic Microorganisms & Vectors

Subject Code No. : 3 0 8 4

Seat No. :

(2) Figures to the right indicate full marks of the question

(3) Draw neat and labeled diagrams whenever necessary

1  Give Specific answers :

(a) Define Biological Vector. Give one example of it.
(b) Which is the major component of the fungal cell wall? Name the monomer of this component.
(c) Give the name of major chemical component of Frustule. Also state the name of larger part of frustule.
(d) What is cytochrome in protist? State its function.
(e) Explain: YM shift
(f) Explain: Encystment. State the function of Cyst.

2 Explain/comment on any two of the following :

(a) Basidiomycetes affect the human in many ways, ranging from as a food to as a pathogen.
(b) Several energy-conserving organelles are observed in protists.
(c) Biological and Ecological importance of Algae.
3 Discuss any two of the following.
   (a) Write a detailed note on Ascomycota.
   (b) Give detailed account on Super group: Euglenozoa
   (c) Discuss : Helminths as human pathogens

4 Write short notes on any two of the following
   (a) Mites: as important arachnids
   (b) Cellular slime molds: Dictyostelia
   (c) Dinoflagellates.