



**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)

नीचे दृष्टावेक निशानीवाणी विगतो उत्तरवडी पर अवश्य बपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<b>B. Sc. (Microbiology) (Sem. IV)</b>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<b>MB-09 : Taxonomy of Eukaryotic Microorganisms &amp; Vectors</b>	<input type="text"/>
Subject Code No. : <input type="text"/> 3 <input type="text"/> 0 <input type="text"/> 8 <input type="text"/> 4	<input type="text"/>
Section No. (1, 2,.....) : <b>Nil</b>	
Student's Signature	

- (2) Figures to the right indicate full marks of the question  
(3) Draw neat and labeled diagrams whenever necessary

- 1 Give Specific answers : 12
- (a) Define Biological Vector. Give one example of it.  
(b) Which is the major component of the fungal cellwall?  
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 cytostome 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 : 12
- (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. **16**
- (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 **10**
- (a) Mites: as important arachnids
  - (b) Cellular slime molds: Dictyostelia
  - (c) Dinoflagellates.
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