



**JB-3181**

**Second Year B. Sc. (Sem. IV) Examination**

**April/May – 2013**

**Microbiology : MB-09**

**(Taxonomy of Eucaryotic Microorganisms & Vectors)**

Time : Hours]

[Total Marks : 50

**Instructions :**

(1)

नीचे दर्शायेव निशानीवाणी विगतो उत्तरवडी पर अवश्य वपनी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="SECOND YEAR B. SC. (SEM. 4)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="Microbiology : MB-09"/>	<input type="text"/>
Subject Code No. : <input type="text" value="3"/> <input type="text" value="1"/> <input type="text" value="8"/> <input type="text" value="1"/>	<input type="text" value="Student's Signature"/>
Section No. (1, 2,.....): <input type="text" value="Nil"/>	

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

(3) Draw neat diagram, wherever necessary.

**1 Answer in brief : 10**

- Name 2 arachnids and disease caused by them.
- Give the chief cell wall constituents of algae and fungi.
- Explain Y-M shift. State factors responsible for it.
- What is hydrogenosome ? State the reaction occurring in it.
- Name the different forms of pseudopodia in Amoeba.

**2 Attempt any two of the following : 12**

- Explain : Specialized structures in protists.
- Explain dianoflagellates and haptophyta in detail.
- Define fungi. Discuss harmful and useful aspects of fungi in detail.

**3 Answer any two of the following long questions : 16**

- Discuss protists with respect to
  - Cyst formation
  - Reproduction.

- (b) Name three major groups of helminths. Explain round worms in detail.
- (c) Discuss characteristics of division Zygomycota and Basidiomycater in detail.

4 Write short notes on any **three** : **12**

- (a) Acellular slime mold
  - (b) Nutrition in protists
  - (c) Sexual reproduction in fungi
  - (d) Mosquitoes as disease vectors.
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