



# RAN-7024

## S. Y. B. Sc. Microbiology SEM-IV Examination

March / April - 2019

### MB 09: Taxonomy of Eukaryotic Microorganisms and Vectors (Old)

Time: 2 Hours ]

[ Total Marks: 50

#### सूचना : / Instructions

नीचे दृशविले निशानीवाणी विगतो उत्तरवही पर अवश्य लभवी.  
Fill up strictly the details of signs on your answer book

Name of the Examination:

S. Y. B. Sc. Microbiology SEM-IV

Name of the Subject :

MB 09: Taxonomy of Eukaryotic Microorganisms and Vectors (Old)

Subject Code No.: 7 0 2 4

Seat No.:

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Student's Signature

#### Instruction:

1. Figures to the right indicate full marks of the question.
2. Draw neat and labelled diagrams whenever necessary.

#### Q.1 Give Specific answers 12

- a. Why is knowledge of mycology significant for Mycotoxicology?
- b. Enlist the name of diseases that can be transmitted to specific host through mites
- c. Justify in short Saphrophytic nature of fungi
- d. What is Protistology? Give characteristic of Chemoheterotrophic protists
- e. Write habitat for *Archaeplastidawilth* suitable example
- f. Mentioned the role of *Dinoflagellates*

#### Q.2 Explain any two of the following 12

- a. Discuss in detail the cyst formation and reproduction in protists.
- b. What are the sub group *Stramenopiles*? Describe them in detail.
- c. Describe in detail the pathogenesis of Helminths towards human host

- Q3. Discuss any two of the following. 16**
- a. Describe the different stages in *Chlamydomonas* life cycle
  - b. Explain in detail the eukaryotic fungal reproduction.
  - c. Describe in detail the mode of nutrition in protists.
- Q.4 write short notes on any two of the following 10**
- a. Significance of fungi
  - b. Arthropods
  - c. Characteristics of *Excavata*
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