

## DIVERSITY OF MICROBES - I

Time : Three Hours]

[Maximum Marks : 30

Note : Attempt two questions each from Section A and B and the entire Section C.

### Section - A

1. Describe structure and mode of reproduction in bacteria.
2. Write a brief account on Cyanobacteria.
3. Describe replication in viruses.
4. Give a brief account on Mycoplasma.

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- Section - B**
5. Give a detailed account on life cycle of *Phytophthora*. 5  
6. Discuss in detail the life history of *Mucor*. 5  
7. Give a detailed account on morphology and structure of lichens. 5  
8. Describe life cycle of *Ustilago*. 5
- Section - C**
9. Attempt all the following parts in short :  
(a) Explain nutritional categories in bacteria.  
(b) Write a note on *Albugo*.  
(c) Explain cell structure of yeast.  
(d) Write a brief note on fruiting body of *Agaricus*.  
(e) Draw life cycle of *Cercospora*. 5×2=10
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