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(20524) Roll No. .
B.Sc. (Micro)-I Year.

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B.Sc. (Micro.) Examination, May-2024

Mycology, Phycology & Protozoology

(B-104)

(B.Sc. Micro.)

Time : 3:00 Hours / Maximum Marks : 50

Note : Attempt any **five** questions. **All** questions carries equal marks.

1. Explain the following in brief. $2 \times 5 = 10$
 - (i) Obligate parasite
 - (ii) Alternate host
 - (iii) Cleistothecium
 - (iv) Zoosporangium
 - (v) NPN
2. Explain about red rust disease of Mango.

10

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3. Describe the life cycle of phytophthor with suitable diagram. 10
4. Write the classification of fungi according Alexopolous. 10
5. Describe the characteristics of Nematodes with the help of suitable diagram. 10
6. Describe the characteristics of following:
 - (i) Alternaria
 - (ii) Rhizopus
 - (iii) Puccinia
 - (iv) Synchronium
 - (v) Penicillium
7. Write short note on following: $2 \times 5 = 10$
 - (i) Lichenes
 - (ii) Mycorrhizae

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8. Write the difference between following:

2×5=10

- (i) Yellow rust & Brown rust of wheat
- (ii) White rust & Red rust
- (iii) Mucor & Rhizopus
- (iv) Fungi & Algae
- (v) Protozoa & Nematodes.

9. Write the important characteristics of following

2.5×4=10

- (i) Vancheria
- (ii) Cladophora
- (iii) Volvox
- (iv) Poly siphonia

10. Write the economic importance of protozoa with suitable examples. 10