

(20518)

Roll No.

B. Sc.(Micro.)-I Year

3487

B. Sc. (Micro.) Examination, May 2018

Mycology, Phycology & Protozoology

(B-104)

Time : Three Hours]

[Maximum Marks : 50

Note: Attempt *Five* questions in all. Question No. 1 is compulsory. All questions carry equal marks.

1. Describe the modes of sexual reproduction in fungi with suitable diagram. 10
2. Give a brief account of chief characters of the kingdom fungi with example. 10
3. Write notes on any two of the following : 2×5
- (i) Ultrastructure of fungal thallus
 - (ii) Mycelium and hyphae
 - (iii) Asexual spores in fungi.

(2)

4. Give a brief account of morphological characters of *Rhizopus* and *Mucor*. 10
5. Write the names of five fungal diseases along with the name of the fungi causing these diseases and five economically important fungi with their economic importance. 10
6. Give a detailed account of economic importance of Algae. 10
7. Give a brief account of classification of Algae on the basis of pigment system. 10
8. Write short notes on thallus organization of the following with labelled diagram : 2×5
- (i) *Chlamydomonas*
 - (ii) *Volvox*
 - (iii) *Oedogonium*
 - (iv) *Cladophora*
 - (v) *Vaucheria*.

(3)

9. What are Nematodes ? Give an outline of classification of Nematodes. 10
10. Give an outline of classification and importance of Protozoa. 10