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B. Sc. (Micro.)-I Year

Library
Institute of Applied Medicines & Research
CL

Roll No. 1596601668

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B. Sc. (Micro.) Examination, May 2016

Mycology, Phycology & Protozoology

(B-104)

Time : Three Hours]

[Maximum Marks : 50

Note : Attempt Five questions in all. Question No. 1 is compulsory.

✓ 1.

Write short notes on any five of the following : $2 \times 5 = 10$

(a) Cleistothecia

(b) Wart disease of potato : symptoms and causal organism

✓ (c) Ascariasis

✓ (d) Pseudopodia

✓ (e) Parasitic algae

✓ (f) Loose smut of wheat

(2)

(g) Diatomaceous earths

(h) Agar-agar.

2. Write down brief outline classification of the fungi according to Alexopoulos Mims and Blackwell. 10

3. Write down the process of reproduction in Oedogonium. 10

✓ 4. Write down the thallus organization in fungi. 10

✓ 5. Describe the economic importance of Nematodes. 10

6. Write down the name of five diseases caused by fungi and their causing organisms and symptoms. 10

✓ 7. Write short notes on any two of the following: $5 \times 2 = 10$

(a) Chlamydomonas

(b) Volvox

(c) Cladophora.

✓ 8. Write short notes on any two of the following: $5 \times 2 = 10$

(a) Alternaria

(b) Mucor

(c) Rhizopus.

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

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B.Sc. (Micro.) Examination, May 2017
Mycology, Phycology & Protozoology
(B-104)

Time : Three Hours / [Maximum Marks : 50]

Note : Attempt five questions in all. Question
No.1 is compulsory.

1. Describe general characteristics of fungi. 10
2. Describe in detail the thallus organization of Fungi. 10
3. Give brief account of classification of fungi according to Alexopoulos, Mims and Blackwell. 10

P.T.O.

4. Describe the differential characteristics of Penicillium and Mucor. 10
5. Write a note on economic importance of Fungi. 10
6. Describe important characteristics of Puccinia.
7. Describe major characteristics required for classification of Algae. 10
8. Describe in detail the differential characteristics of Chlamydomonas and Volvox. 10
9. Describe major characteristics of oedogonium. Support your answer with suitable diagrams. 10
10. Write an essay on economic importance of Nematodes. 10

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Total Questions : 10]

[Printed Pages : 3

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B.Sc. (Micro.) Ist Year Examination,
May-2019

**MYCOLOGY, PHYCOLOGY AND
PROTOZOOLOGY**

(B-104)

[B.Sc. (Micro.)]

Time : 3 Hrs.]

[M.M. : 50

Note :- Attempt *five* questions in all. Questions No. 1 is compulsory. All questions carry equal marks.

1. Define the following terms :

- (a) Coenobium
- (b) Algalbloom
- (c) Alternation of generation
- (d) Fermentation
- (e) Mycorrhiza

2×5=10

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(1)

Turn Over

2. Write notes on the following :
 - (a) Protozoa
 - (b) Nematodes

5+5=10
3. Give an account of range of thallus organization in algae. 10
4. Give the scheme of classification of fungi as proposed by alexo poulos and mention the chief characteristics of each group. 10
5. Give an illustrated account of the thallic structure and reproduction in Rhizopus. 10
6. Write notes on the following :
 - (a) Oedogonium
 - (b) Volvox

5+5=10
7. Write an essay on economic importance of algae. 10
8. Write notes on the following :
 - (a) Pigments in algae
 - (b) A sexual reproduction in algae

5+5=10

9. Describe in detail asexual reproduction in fungi. 10
10. Give detailed account on the economic importance of fungi. 10

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B. Sc.(Micro.)-I Year

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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*.

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

Albugo Tenicillium
Aspergillus Rhizopus devaricatum
Synchytrium Mucor Mucorales

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