

G-1/136/21

Roll No.....

I Semester Examination, April-2021

M.Sc.

MICROBIOLOGY

Paper II

(Phycology and Mycology)

Time : 3 Hours]

[Maximum Marks : 80

Note : *All questions are compulsory. Question Paper comprises of 3 sections. **Section A** is objective type/Multiple Choice questions with no internal choice. **Section B** is short answer type with internal choice. **Section C** is long answer type with internal choice.*

SECTION 'A'

(Objective Type Questions)

Give the correct answer :

8 × 1 = 8

1. Write names of pigments found in Algae.
2. Write names of different types of lichens.
3. Write names of two members of Mastigomycotina.
4. Write names of any two saprophytic fungi.
5. Which fungus is called green mould?
6. Write name of fungus used in baking of bread.
7. What are coprophilous fungi ?
8. Which algae is known as Pond silk ?

SECTION 'B'

6 × 4 = 24

(Short Answer Type Questions)

Note : *Answer the following questions in 250 words.*

1. Write note on Diatoms.

P.T.O.

[2]

Or

What are various types of spores found in algae.

2. Write salient features of Myxomycotina.

Or

Write note on life cycle of representative member of Discomycetes.

3. Write note on Evolutionary tendencies in higher fungi.

Or

Write note on life cycle of any one member of Blastomycetes.

4. Write note on sex hormones in fungi.

Or

Write note on fungi and bioremediation.

SECTION 'C'

12 × 4 = 48

(Long Answer Type Questions)

Note : Answer the following questions in 500 words.

1. Write detail note on Algal biotechnology along with its importance.

Or

Write detail note on reproduction in Lichens.

2. Write the salient feature of Zygomycotina along with life cycle and economic importance of any one representative member.

Or

Describe the vegetative structure and asexual reproduction in one representative member of Mastigomycotina.

3. Describe the structure of fructification along with life cycle of one member of Basidiomycotina.

[3]

Or

Write detail note on salient features of Deuteromycetes along with life cycle and economic importance of any one representative member.

4. Write detail note on industrial importance of fungi.

Or

Write detail note on Mycorrhiza, types and its importance.

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