



বিদ্যাসাগর বিশ্ববিদ্যালয়

VIDYASAGAR UNIVERSITY

Question Paper

B.Sc. Honours Examination 2023

(Under CBCS Pattern)

Semester — II

Subject : BOTANY

Paper : C-3T

(Mycology & Plantpathology)

Full Marks : 40

Time : 2 hours

*Candidates are required to give their answers
in their own words as far as practicable.*

The figures in the margin indicate full marks.

Answer **all** questions.

1. Answer *any five* questions from the following :

2×5=10

(a) What is true fungi?

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(Turn Over)

(2)

(b) Give an example for each of a mycofungicide and a mycoherbicide.

(c) What is fairy rings?

(d) Distinguish between disease cycle and life cycle.

(e) Differentiate between uredospore and teleutospore.

(f) Mention the major cell wall components of Fungi?

(g) What is plasmodia?

(h) What are hypoplastic and hyperplastic symptoms?

2. Answer *any four* questions from the following :
5×4=20

(a) Differentiate between Ectomycorrhiza and Endomycorrhiza and mention their significance. 2+3=5

(b) Write a short note on thallus organization of lichen. 5

(c) Mention the importance of fungi in food industry. 5

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(Continued)

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(3)

(d) What is biological control? Write the role of quarantine in plant disease management.
2+3=5

(e) Write a short note on Host-Pathogen relationship. 5

(f) Describe the button state of *Agaricus*. 5

3. Answer *any one* question from the following :
10×1=10

(a) Write the causal organism, symptoms, disease cycle and control measure of early blight of potato. 1+3+3+3=10

(b) (i) Discuss any one of the fungal classification systems. Give examples of each group.

(ii) Draw the life cycle of *Neurospora*.
5+5=10

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