



বিদ্যাসাগর বিশ্ববিদ্যালয়

**VIDYASAGAR UNIVERSITY**

**Question Paper**

**B.Sc. Honours Examination 2023**

**(Under CBCS Pattern)**

**Semester — II**

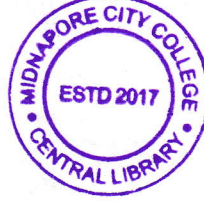
**Subject : BOTANY**

**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)

( 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

