

**Bankura University**  
**B.Sc 2<sup>nd</sup> Semester (Honours) Examination, 2022**  
**Subject: Botany**

Course ID: 21311

Course code: SHBOT/201/C-3

Full Marks: 25

Course Title: Mycology & Phytopathology

Time: 1h 15 min.

The figures in the margin indicate full marks

Answer all the questions.

**UNIT I**

- 1. Answer any five of the following questions: 1x5=5**
- a. What is Appressorium?
  - b. What is Soralia?
  - c. What is Pseudomycelium?
  - d. What do you mean by incubation period?
  - e. Cite an example of systemic fungicide.
  - f. What is phragmobasidium?
  - g. What is fairy ring?
  - h. What is conidiosporangium?

**UNIT II**

- 2. Answer any two of the following questions: 5x2=10**
- a) Give a brief account on different dikaryotization process in fungi.
  - b) What is macrocyclic rust? What are the different spore-forms found in black stem rust of wheat with their respective host? 1+4
  - c) Write down different steps of event to complete parasexual cycle in Deuteromycotina.
  - d) Write name of causal organism, symptom and control measure of any one of following disease. 1+2+2
    - i. Brown spot of rice
    - ii. Late blight of potato

**UNIT III**

- 3. Answer any one of the following questions: 10x1=10**
- a) Describe with suitable labelled sketches the development of ascus and ascospore in Ascomycotina. 6+4
  - b) Write down the economic importance of fungi with special emphasis on agriculture and food industry with suitable examples. 5+5