

**B.Sc. Semester-II Examination, 2023****BOTANY [Honours]**

Course ID : 21311 Course Code : SH/BOT/201/C-3

Course Title : Mycology &amp; Phytopathology

**[OLD SYLLABUS]**

Time : 2 Hours

Full Marks : 25

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.***UNIT-I**1. Answer **five** of the following questions: 1×5=5

- Name one poisonous fruit body.
- What is Buller's phenomenon?
- What do you mean by host and parasite?
- What is gametangial copulation?
- What is papulospore?
- Give one example of corticolus lichen.
- What is predisposition?
- What is heterokaryotic mycelium?

**UNIT-II**2. Answer any **two** of the following questions:

5×2=10

- Give a brief account of the importance of Lichens. Name one antibiotic producing fungus. 4+1
- Schematically represent reproductive cycle of *Synchetrium endobioticum*.
- Write a short note on different types of Ascocarp.
- Write down the causal organism, symptoms and control measures of any one of following diseases: 1+2+2=5
  - White rust of crucifers
  - Citrus canker
  - Tobacco Mosaic disease

**UNIT-III**3. Answer any **one** of the following questions:

10×1=10

- What is fairy ring? Describe internal structure of gills with neat labeled sketches. What are ballistospores? 2+4+3+1
- What is hartig net? Write a note on importance of mycorrhizae in Agriculture and Forestry. 2+4+4

[Turn Over]