

**Bankura University**  
**B.Sc. 4<sup>th</sup> Semester (Honours) Examination, 2022**  
**SUB: BOTANY**

**Course ID: 41315**

**Course Code: SHBOT/405/SEC-2**

**Course Title: Mushroom Culture Technology**

**Time: 2 Hours**

**Full Marks: 40**

*The figures in the right hand side margin indicate marks.*

**UNIT-I**

1. Answer **any five** questions from the following: 2×5= 10
- (a) Name two edible mushrooms belonging to the phylum Basidiomycota.
  - (b) Mention two nutritional values of mushroom consumption.
  - (c) Write down the names of two cultivated species of oyster mushroom.
  - (d) Name one mushroom research centre in west Bengal.
  - (e) Why gypsum and chalk powder are used during spawn preparation?
  - (f) Name two fungal diseases of mushrooms.
  - (g) Name one edible and one poisonous mushroom.

**UNIT-II**

2. Give brief answer to **any four** of the following: 5×4= 20
- (a) Briefly describe regarding the medicinal importance of mushrooms.
  - (b) Schematically describe the process of oyster mushroom cultivation.
  - (c) Describe the process of canning for mushroom preservation.
  - (d) Briefly describe regarding different factors associated with button mushroom cultivation .
  - (e) What are the strategies should be taken to avoid pathogenic microbial contamination during mushroom cultivation?
  - (f) How can you identify poisonous mushrooms? Give one example of poisonous mushroom and name its toxic metabolite(s). 3+1+1=5

**UNIT III**

3. Answer **any one** question from the following: 1×10=10
- (a) What is spawn? Describe the process of spawn preparation in details. What are the cautions required during spawn preparation? 2+6+2=10
  - (b) Describe regarding different processes of storage of mushroom. Write short note on mushroom marketing in India. 7+3=10