

Bankura University

B.Sc 4th Semester (Honours) Examination, 2021

Subject: Botany

Course ID: 41315

Course Code: SHBOT/405/SEC-2

Course Title: Mushroom Culture Technology

Time: 2 Hours

Full Marks: 40

UNIT I

1. Answer *any five* questions from the following: 2×5= 10

- (a) What is spawn?
- (b) Name two weeds of mushroom.
- (c) What are gills?
- (d) What is pure culture?
- (e) Name one mushroom research centre of India.
- (f) What is button mushroom?
- (g) Name one poisonous mushroom with its toxic principles.
- (h) Name two essential amino acids found in mushroom.

UNIT II

2. Give brief answer to *any four* of the following: 5×4= 20

- (a) Distinguish between poisonous and edible mushrooms with suitable examples. 5
- (b) Schematically describe the process of spawn preparation for mushroom cultivation. 5
- (c) Briefly describe regarding one fungal disease of mushroom with its causal organism, disease symptoms and suitable control measures. 1+2+2=5
- (d) Briefly describe the strategies for long term storage of edible mushrooms. 5
- (e) Describe the technique for synthetic compost preparation for the cultivation of *Agaricus bisporus*. 5
- (f) Mention any two types of food prepared from mushrooms with their process of preparation. 2+3=5

UNIT III

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

- (a) What is mushroom. Describe the nutritional and medicinal values of edible mushrooms. Name one edible mushroom belonging to Ascomycota. 2+(4+2)+2=10
- (b) What are oyster mushrooms? Briefly describe their cultivation process. Mention any two important factors that affect their growth. 2+6+2=10