

(6 Pages)

Reg. No. :

Code No. : 20532 E Sub. Code : CSBO 31

B.Sc. (CBCS) DEGREE EXAMINATION, APRIL 2023

Third Semester

Botany — Skill Based Core

MUSHROOM CULTURE TECHNOLOGY

(For those who joined in July 2021 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. Expanded head of mushroom is called
 - (a) Velum
 - (b) Pileus
 - (c) Stipe
 - (d) None of the above

2. This is NOT an edible mushroom
 - (a) Agaricus
 - (b) Amanita
 - (c) Pleurotus
 - (d) Volvariella

3. Which one of the following is used as a substrate for mushroom cultivation?
- (a) Sterilized grains of Rye and Millet
 - (b) Serum
 - (c) Plasma
 - (d) Lymphocytic fluid
4. Optimum pH of mushroom culture media
- (a) 4.5 to 5
 - (b) 5 to 5.5
 - (c) 5.5 to 6
 - (d) 6 to 7
5. Mushrooms are harvested by
- (a) Cutting
 - (b) Hand plucking
 - (c) Digging
 - (d) None of these
6. Which of the following is known as paddy straw mushroom?
- (a) Amanita
 - (b) Pleurotus
 - (c) Agaricus
 - (d) Volvariella
7. Mushrooms are rich in
- (a) Vitamin A
 - (b) Vitamin B complex
 - (c) Vitamin C
 - (d) Vitamin D

8. Mushroom are considered to be poor when the % of whiteness is
- (a) below 70 (b) 70
(c) above 70 (d) 100
9. Which one of the following is a short term storage method of mushroom?
- (a) Drying
(b) Canning
(c) Pickling
(d) Refrigeration
10. In which recipe mushroom powder is used
- (a) Pickle (b) Omlet
(c) Soup (d) Pulao

PART B — (5 × 5 = 25 marks)

Answer ALL questions choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) Give an account on medicinal uses of mushroom.

Or

- (b) Comment on the poisonous mushrooms.

12. (a) Write about the various steps involved in spawn preparation.

Or

(b) Write notes on Oat meal agar medium preparation.

13. (a) Explain the principles of harvesting mushroom.

Or

(b) Write about the factors affecting mushroom bed preparation.

14. (a) Give an account on significance of mushrooms.

Or

(b) Describe any two bacterial diseases which affect mushroom.

15. (a) Give an account on packaging of fresh mushroom.

Or

(b) Write notes on any two mushroom recipes.

PART C — (5 × 8 = 40 marks)

Answer ALL questions choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Describe the morphology of mushroom.

Or

- (b) Explain the life cycle of pleurotus.

17. (a) What are the substrates used for mushroom cultivation?

Or

- (b) Give an account on mother spawn.

18. (a) Write the steps involved in the cultivation of paddy straw mushroom.

Or

- (b) Describe the cultivation method of button mushroom.

19. (a) List out the post harvest technology in mushroom cultivation.

Or

- (b) Discuss how are mushrooms protected from pests and mites.

20. (a) Explain drying and canning methods of storing mushroom.

Or

(b) How would you prepare mushroom samosa and mushroom pickle?
