

(6 pages)

Reg. No. : .....

Code No. : 30537 E Sub. Code : CSBO 31

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

Third Semester

Botany

Skill Based Core – MUSHROOM CULTURE  
TECHNOLOGY

(For those who joined in July 2021 – 2022)

Time : Three hours Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. The National centre for Mushroom Research and Training is located in
- Solan
  - Coimbatore
  - Delhi
  - Raipur

7. Most common disease in edible mushroom is \_\_\_\_\_.

- Dry bubble
- Often sunken spots
- Pale yellow spots
- Greyish white moldy growth

8. Mushroom are used for the treatment of \_\_\_\_\_.

- Cancer
- Diabetes
- Heart Diseases
- All

9. Canning is a process of \_\_\_\_\_.

- Mass Removal of water
- Removal of Nutrients
- Drying
- Freezing

10. What is the symptom of mushroom poisoning?

- Vomiting
- Mild Nausea
- Diarrhoea
- All

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2. The deadliest mushroom is
- Amanita*
  - Agaricus*
  - Ganoderma*
  - Scizophyllum*

3. Spawn is
- Mycelium of fungus
  - Fruiting body of fungus
  - Making soil layer on mycelium
  - Type of compost

4. Material used for Spawn preparation is \_\_\_\_\_.
- Sorghum
  - Barley
  - Pea
  - Ground nut

5. For oyster mushroom cultivation, beds are prepared from \_\_\_\_\_.
- Plastic bags
  - PVC Pipes
  - Pots
  - Trays

6. Which one of the following is known as button Mushroom?
- Calocybe indica*
  - Volvariella volvacea*
  - Agaricus bisporus*
  - Pleurotus sajor-caju*

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PART B — (5 × 5 = 25 marks)

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

Each answer should not exceed 250 words.

11. (a) What are edible mushroom? Explain its types with example.

Or

- (b) List out the nutritional values of Mushroom.

12. (a) What is spawn? How will you prepare spawn?

Or

- (b) How will you sterilize the tools and other requirements used for mushroom cultivation?

13. (a) What are the factors affecting mushroom bed?

Or

- (b) What are the different substrates used in mushroom cultivation?

14. (a) How do you control mushroom diseases?

Or

- (b) How will you design mushroom culture room for small scale production?

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[P.T.O]



15. (a) Mushrooms are commonly called as vegetable meats - Why?

Or

(b) Write short note on short term storage of mushrooms.

PART C — (5 × 8 = 40 marks)

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

Each answer should not exceed 600 words.

16. (a) Name five poisonous mushrooms. How will you prove that mushrooms are poisonous?

Or

(b) Illustrate the life cycle of *Agaricus*.

17. (a) How can you prepare potato dextrose agar medium?

Or

(b) What are the requirements needs for mushroom cultivation?

18. (a) What are the major problems in mushroom cultivation?

Or

(b) Describe in detail the cultivation of Oyster mushroom.

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19. (a) Explain the nutritional compositions of edible mushrooms.

Or

(b) Explain the significance of mushroom in medicines.

20. (a) How would you prepare mushroom omelette and Curry?

Or

(b) Give a detailed note on any two recipes of mushrooms.

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