

Roll No.

Total No. of Questions : 9]
(2033)

[Total No. of Printed Pages : 4

UG (CBCS) IIIrd Year Annual Examination

3311

B.Sc. BOTANY

(Mushroom Cultivation Technology)

(SEC-II)

Paper : BOTA 307

Time : 3 Hours]

[Maximum Marks : 70

Note :- Attempt *five* questions in all. Q. No. 1 (Part-A) is compulsory. Attempt *one* question from each Part B, C, D and E. Attempt all parts of a question together.

Part-A

(Compulsory Question)

1. (A) (i) Formaldehyde is used as in mushroom cultivation.
- (ii) The common name of *Pleurotus sajor-kaju* is :
- (a) Shitake mushroom

CA-511

(1)

Turn Over

- (b) Button mushroom
 - (c) Paddy straw mushroom
 - (d) Oyster mushroom
- (iii) The cultivation of Paddy straw mushroom started in which country ?
- (iv) Preservation methods of mushrooms are :
- (a) Pickling
 - (b) Canning
 - (c) Both (a) and (b)
 - (d) None of the above
- (v) What is the duration between the flushes in mushroom crop ?
- (vi) In India, *Agaricus bisporus* was first cultivated in which state ?
- (vii) In which country mushroom cultivation started first ?
- (viii) Components of mushroom farm are :
- (a) Spawn unit
 - (b) Inoculation room
 - (c) Incubation room
 - (d) All of the above

(ix) Spawn is the of mushroom.

- (a) Spores
- (b) Mycellium
- (c) Fruit
- (d) Both (a) and (b)

(x) Wet bubble disease of mushroom is caused by 1×10=10

- (B) (i) What is 'casing' in mushroom cultivation ?
- (ii) What is mother spawn ? 2×2=4

Part-B

2. (i) Write a detailed note on the history of mushroom cultivation.
- (ii) Describe about different types of edible mushrooms available in India. 7,7
3. (i) Give the medicinal benefits of mushrooms.
- (ii) Write a detailed note on the nutritional value of mushrooms. 7,7

Part-C

4. (i) Give a general account of poisonous mushrooms.
(ii) Discuss the methods of spawn production for mushroom cultivation. 7,7
5. (i) Describe the composting technology in mushroom production.
(ii) Describe the paddy straw mushroom cultivation in detail. 7,7

Part-D

6. Describe in detail the post harvesting and value addition in mushrooms. 14
7. Explain about the storage of mushrooms. 14

Part-E

8. (i) Write a detailed note on the marketing of mushrooms.
(ii) Discuss the importance of Regional and National Research Institutes of mushroom cultivation in India. 7,7
9. (i) Describe the various recipes of mushrooms.
(ii) Write a detailed note on the pests of mushrooms. 7,7