

B.Sc. Semester - 3 (NEP-2020) Examination**OCT/NOV-2024****BOT: Mushroom Cultivation (Skill Enhancement Course)****Time: 1:00 Hours****Marks: 25****Instructions:**

1. All questions are compulsory.
 2. Figures to the right indicate marks.
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- Que-1 (A) Describe in detail. (Any one) (06)
- 1) Discuss the major nutritional components of mushrooms and their health benefits.
 - 2) What are the distinguishing features of oyster mushrooms that make them popular as edible mushrooms?
- Que-1 (B) Write a short note on (Any one) (04)
- 1) toxic compounds found in *Amanita phalloides*, and its effect on human body
 - 2) cultivation methods used for growing paddy straw mushrooms
- Que-2 (A) Describe in detail (Any one) (06)
- 1) What is spawn? Explain the steps involved in spawn production for mushroom cultivation.
 - 2) Describe the cultivation steps for cultivation of oyster mushroom.
- Que-2 (B) Write a short note on (Any one) (04)
- 1) preparation for mother culture in Agar medium.
 - 2) Compost for the cultivation of mushroom
- Que- 3 Do as directed (Any five) (05)
- 1) Define: Casing
 - 2) What is Spawn run?
 - 3) What is spawn in mushroom cultivation, and why is it important?
 - 4) What is the purpose of inoculation in mushroom cultivation?
 - 5) In which ancient civilization were mushrooms first recorded as food, and what significance did they hold?
 - 6) What are two primary reasons for the increasing popularity of mushroom cultivation in modern agriculture?
 - 7) What is the main vegetative structure of mushrooms, and what role does it play in their growth?
