

U.G. 3rd Semester Examination - 2024**BOTANY****[Skill Enhancement Course (SEC)]****Course Code : BOT-SEC-T-03(A & B)****[NEP-2020]****Full Marks : 25****Time : 1½ Hours***The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.***Answer all the questions from Selected Option.****OPTION - A****BOT-SEC-T-03(A)****(Mushroom Cultivation)****[Marks : 25]****1. Answer any five questions : 1×5=5**

- a) Give scientific name of one poisonous mushroom.
- b) What is pure culture in mushroom cultivation?
- c) What do you mean by Inoculation Hood?
- d) Which raw substance is highly available and used for mushroom cultivation in West Bengal?

[Turn over]

- e) Mention one important physical factor for mushroom cultivation.
- f) Name one Mushroom Research Centre of India.
- g) What is canning?
- h) Give the scientific name of paddy straw mushroom.

2. Write short note on any two from the following:

5×2=10

- a) Preparation of spawn mushroom
- b) Nutritional status of edible mushroom
- c) Types of foods prepared from mushrooms
- d) Medicinal value of mushroom

3. Answer any one question :

10×1=10

- a) What is compost? What is composting process? Describe in brief the composting technology in mushroom production.
- b) Describe different storage techniques and marketing of cultivated mushrooms with future perspective.

2+2+6

10

OPTION - B

BOT-SEC-T-03(B)

(Intellectual Property Rights)

[Marks : 25]

1. Answer any five questions: 1×5=5

- a) What is the main objective of Intellectual Property Rights (IPR)?
- b) Define patent.
- c) What is the difference between copyright and trademark.
- d) What is TRIPS?
- e) Give an example of geographical indication.
- f) What is the main objective of Protection of Traditional Knowledge?
- g) Define industrial design.
- h) What is the significance of Plant Varieties Protection Act, 2001?

2. Answer any two questions : 5×2=10

- a) Describe the procedure of obtaining patents in India.
- b) Explain the concept of copyright and its infringement.

- c) Discuss the importance of trademark.
- d) Describe the objectives and justification of geographical indications.

3. Answer any one question: 10×1=10

- a) Discuss the significance of protection of traditional knowledge in India. Mention its concept, holders and issues concerning it.

4+2+2+2

- b) Explain the various works protected under copyright and registration process of copyright.

5+5