

U.G. 3rd Semester Examination - 2025**BOTANY****[Skill Enhancement Course (SEC)]****Course Code : BOT-SEC-T-03(A & B)****[NEP-2020]**

Full Marks : 25

Time : 1 $\frac{1}{2}$ 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 Culture)**

1. Answer any **five** questions : 1×5=5
- a) Name a mushroom used in folk-medicine.
 - b) What type of compost is used for mushroom cultivation?
 - c) Name two minerals present in mushroom.
 - d) What is palm test?
 - e) Name two mushroom research centers in India.
 - f) What is mycetismus?

[Turn over]

g) Why mushrooms are considered as ideal food for vegetarians?

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

5×2=10

- a) Low-cost technology for mushroom cultivation
- b) Techniques used for long-term storage of mushroom
- c) Nutrient composition of edible mushroom
- d) Mushroom cultivation is a profitable business

3. Answer any **one** question :

10×1=10

- a) Describe the necessary requirement to make a mushroom farm. How is spawn prepared for mushroom cultivation? How does a pure culture is maintain in a mushroom farm? 5+3+2
- b) Write an account on different types of food prepared from mushroom. 10

OPTION - B

BOT-SEC-T-03(B)

(Intellectual Property Rights)

1. Answer any **five** questions:

1×5=5

- a) Define TRIPS agreement.
- b) The packaging of a cold drink can be protected under which type of intellectual property law?
- c) Mention one important criterion for granting of patent.
- d) Name the first GI product in India.
- e) What is copyright infringement?
- f) Mention two main functions of WIPO.
- g) What is UPOV?
- h) What is the tenure for a copyright being valid in India?

2. Answer any **two** questions :

5×2=10

- a) Explain the types of copyright protections provided under IP.
- b) Compare the differences between GI and trademark. What are the benefits of GI protection for traditional knowledge? 3+2

c) Discuss the role of industrial design in preventing unfair trade practices.

d) What is biopiracy? How it can be prevented globally? 1+4

3. Answer any **one** question: 10×1=10

a) Explain in details the process of filing and obtaining patents in India. Mention the guidelines of international patent law. 8+2

b) Define intellectual property. What do you mean by unfair trade practices. Explain with a case study an act of biopiracy. 2+3+5
