

Course Code : PLP 303

Course Title : Mushroom Cultivation

Credit Hours : 1 (0 + 1)

Full Marks: 25

Theory: 0

Practical: 25

OBJECTIVES

Upon completion of this course, the students will be able to cultivate mushroom particularly Pleurotus and Agaricus species.

I. SYLLABUS

Isolation and maintenance of pure culture of Pleurotus and Agaricus species, Preparation of spawn, compost, Preparation of beds and growing of the mushrooms, Harvesting and management of insects and diseases of mushrooms.

II. Course outline

A. Practical

S.N.	Topics	No. of practical
1.	Sterilization and preparation of PDA	1
2.	Isolation of Pleurotus and Agaricus	1
3.	Maintenance of pure culture of Pleurotus and Agaricus	1
4.	Preparation of spawn for Pleurotus sp.	1
5.	Preparation of spawn for Agaricus sp.	1
6.	Preparation of materials for composting for Agaricus sp.	1
7.	Methods of composting for Agaricus sp.	1
8.	Substrate preparation for Pleurotus sp.	1
9.	Sterilization and mixing of substrates for Pleurotus sp.	1
10.	Preparation of beds for Agaricus sp.	1
11.	Spawning of Pleurotus and Agaricus spp.	1
12.	Watering and Management	1
13.	Harvesting of mushroom	1
14.	Management of insect and diseases of mushroom	1
15.	Recycling of mushroom compost	1
Total		15

REFERENCES

Kapoor, J.N. 1989. Mushroom Cultivation, ICAR publications New Delhi.

Khadge, B.R. 2005. Simple Mushroom Technology, Siddharth Printing Press, Lalitpur.