

Syllabus on Mushroom Farming

Course objective:

1. To provide technical knowhow of mushroom cultivation.
2. Entrepreneurship development among interested youths.

Paper – I (Theory) Marks - 70

Unit I

Introduction: History of mushroom cultivation; biology of mushroom; Types; Nutritional value; Medicinal value; Prospect of mushroom cultivation. 10

Unit II

Cultivation technology: Infrastructure and requirement; Spawn: types of spawn, mushroom bed preparation and factors affecting mushroom bed preparation; Paddy straw mushroom cultivation; Oyester mushroom cultivation; rearing conditions and sanitation. 30

Unit III

Harvesting: sanitation during harvesting; process of harvesting; Post harvest processing: Storage; long term and short term storage of mushroom; recipes from mushroom. 10

Unit IV

Disease and pest management: Pest and pathogens of mushroom; control measures; Integrated Pest Management (IPM). 10

Unit V

Marketing of mushroom: market demand; market channels; direct marketing and wholesale marketing. 10

Paper – II (Practical) Marks – 30

1. Identification of edible and poisonous mushroom.
2. Bed preparation for mushroom cultivation.
3. Spawn inoculation, storage of culture and maintenance of cultures.
4. Harvesting process.
5. Processing of mushroom.

Reference Book:

1. A textbook on mushroom cultivation: Theory and Practice, Aggarwal, A., Sharma, Y. P. and Jangra, E., Newrays Publishing House.
2. Mushroom Cultivation, Tripathi, D.P. (2005) , Oxford & IBH Publishing Co. Pvt.Ltd., New Delhi.
3. Mushroom cultivation technology, Acharya, K., Roy, A. and Sarkar, J., Techno world, Kolkata.
4. Mushroom production and processing thechnology (2010), Pathak Yadav Gour, Agrobios (India).