

Bellary V V Sangha's
VIJAYANAGAR COLLEGE HOSAPETE
(Affiliated to Vijayanagar Sri Krishnadevaraya University, Bellary),
Accredited 'B++' Grade by NAAC

DEPARTMENT OF BOTANY

CERTIFICATE COURSE

IN

“ MUSHROOM CULTURE ”

For the academic year 2021-22

Eligibility : Students studying B.Sc in life Science

Duration : 03 Months

Teaching Hours : 30 (Theory 10 hours & practical 20 hours)

Maximum Marks : 50 (Theory: 20 & Practical: 30)

Maximum intake : 30 students (1 batch)

CO-ORDINATOR

HOD

PRINCIPAL

Objectives:

- ✓ The Mushroom culture technique is skill based technology helps the student community to develop the research temper in Botany.
- ✓ The course initiates and self empower the student and to start self small scale agro based industries. It increases the self employability in graduate & post graduate students of life science.
- ✓ It helps the job opportunity in Agri and Agro based industries, Agricultural research institutes, Botanical research Institutes, Mycology Laboratories and Hotel management.

“ MUSHROOM CULTURE”

(A Certificate course conducting by Department of Botany)

SYLLABUS

Part I : Theory (10 hours)

Part II : Practicals (20 hours)

Part III : Field visit to acquaint the advanced and large scale propagation skill and lab management on own cost.

Faculty:

External resource person/s from Universities, National laboratories or industries.

Laboratory:

Botany Laboratory of the Botany department.

(75% Attendance is compulsory for both theory and practical classes).

Examination

Paper I: Theory examination of 1^{1/2} hours duration (20 Marks).

Paper II: Practical examination of 4 hours duration (30 Marks).

Theory and lab working day:

Saturday 2.00 pm to 6.00 pm.

THEORY SYLLABUS

1.	Introduction.	01 hr.
2.	Life Cycle	01 hr
3.	Nutritive value	01hr
4.	Cultivation Technique	03 hr
5.	Diseases and Insect-Pest Management	01 hr
6.	Harvesting	01 hr
7.	Spawn Production	02 hr

PRACTICAL SYLLABUS

Total 20 hrs

Sl. No.	Particulars of the practical	Hrs
1.	Laboratory organization	03
2.	Sterilization Techniques	03
3.	Preparation of compost	03
4.	Filling of compost in bags	03
5.	Management of culture	03
6.	Harvesting and packing	03
7.	Field visit	02

Pattern of Theory question paper

Time: 1½ hours

Maximum marks: 20

Note:

1. *All Questions are compulsory*
2. *Draw the neat labeled diagrams wherever necessary.*

Q: I One mark questions: Answer 05 questions out of 07 (2X 5 = 10 marks)

Q: II Any 02 questions out of 05 (5 X 2 = 10 marks)

Practical Question paper pattern

Maximum marks: 30

Time: 04 hours

Q: I Preparation of compost bed. 05 M

Q:II Sterilization of materials 05 M

Q: III Spawning 05 M

Q:IV Identification and practical applications of Specimen/slide/Chart A, B, C

2X3 = 06

