



Aghorekamini Prakashchandra Mahavidyalaya

(2022-23)



Add on course on

Mushroom cultivation process

ORGANIZED BY

Department of Botany

IN ASSOCIATION WITH

**IQAC, AGHOREKAMINI PRAKASHCHANDRA
MAHAVIDYALAYA**

**COURSE TITLE : TRAINING ON MUSHROOM
CULTIVATION PROCESS AND ITS IMPORTANCE**

COURSE DURATION : 36 HOURS

**COURSE OFFERED BY : Dept. of BOTANY A.K.P.C.
Mahavidyalaya, Bengai, Hooghly**

PARTICIPATING TEACHERS : 1. SUBIR SAMANTA (SACT - II)

COURSE COORDINATOR : Prof: Subir Samanta, (8777847749)

SYLLABUS :

1. PART I - THEORETICAL

- MUSHROOM MORPHOLOGY
- MUSHROOM CLASSIFICATION
- NUTRIENTS PROFILE OF MUSHROOM AND HEALTH BENEFITS

2. PART II - CULTIVATION TECHNIQUE

- CULTIVATION SYSTEM AND FARM DESIGNS
- COMPOST AND COMPOSTING
- SPAWN, SPAWNING, CASTING MATERIAL AND CASE RUNNING
- CULTIVATION OF BUTTON, OYSTER AND STRAW MUSHROOM

MODULES :

UNIT- I

Mushroom morphology.

Different parts of a typical mushroom and variation in mushroom morphology
(Time: 4 Hours)

UNIT- 2

Mushroom classification based on occurrence, colour of spore, structure of fruit bodies, recent classification (Time: 6 Hours)

UNIT- 3

Nutrients profile of mushroom, health benefits, antiviral, tumor, renal effect.(Time: 7 Hours)

UNIT- 4

Cultivation system, farm design location, etc. (Time: 7 Hours)

UNIT- 5

Hands on practical (Time: 5 Hours)

UNIT- 6

Marketing and labeling (Time: 7 Hours)

PROGRAMME OUTCOME :

1. STUDENTS WILL LEARN ABOUT ANCIENT AND TRADITIONAL MUSHROOM CULTIVATION PROCESS
2. STUDENTS WILL BE AWARE OF HEALTH BENEFITS OF MUSHROOM
3. PUBLIC OPINION WILL LEARN ABOUT MAKING OF DELICIOUS DISH WITH MUSHROOM
4. AWARENESS AND PARTICIPATION OF CITIZENS WILL INCREASE

COURSE OUTCOME :

CO -1 : STUDENTS WILL LEARN ABOUT THE OF MUSHROOM AND THE QUALITIES OF DIFFERENT MUSHROOM

CO -2 : IT WILL BE POSSIBLE TO KNOW WHAT KIND OF INGREDIENTS ARE USED IN MUSHROOM CULTIVATION

CO 3 : THEY WILL KNOW ABOUT THE COMPOSITION AND FUNCTIONING OF MUSHROOM DISHES

CO 4 : PARTICIPANTS WILL BE ABLE TO LEARN ABOUT THE ROLE THEY WILL PLAY IN DIFFERENT TYPES OF FORMULATION FOR MAKING COMPOSTING PROCESS FOR MUSHROOM CULTIVATION

CO 5 : THEY WILL LEARN ABOUT THE POSITIVE AND NEGATIVE ROLE OF MUSHROOM CONSUMPTION.

MODE OF EVALUATION :

After the completion of course, written examination will be taken for 80 Marks and a viva will be conducted for 20 Marks. On the basis of marks obtained for written examination and viva, the results will be prepared. The gradation system for the declaration of results will be as follows :

Grading System :

Level	Excellent	Very Good	Good	Above Average	Average	Below Average	Poor	Fail
Grade	A+	A	B+	B	C	D	E	F
Marks range	90-100	80-89	70-79	60-69	50-59	40-49	33-40	0-32