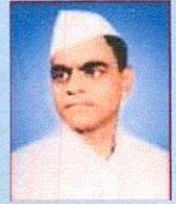




**JANATA SHIKSHAN SANSTHA'S
KISAN VEER MAHAVIDYALAYA, WAI**

(Affiliated to Shivaji University, Kolhapur)
NAAC Grade: B+ (CGPA- 2.66)



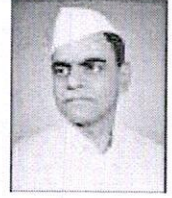
Certificate course in Mushroom Cultivation

**Supportive Documents for
Certificate Course Annual Report**

1. Short Report of The Particular Academic Year
2. Certificate Course Brochure/Handbook
3. Notice regarding the introduction date of the course and BOS.
4. Aims, Objective and Syllabus of the Course
5. Time Table
6. List of enrolled students
7. Attendance Sheets
8. Paper Format
9. Results of the Course
10. One Sample Certificate of the pass students
11. Geo-tagged Photos (If Available).




**JANATA SHIKAHSN SANSTHA'S
KISAN VEER MAHAVIDYALAYA, WAI
DEPARTMENT OF BOTANY**




“CERTIFICATE COURSE IN MUSHROOM CULTIVATION”

Course Report -2023-24

The department of Botany conducted a certificate course entitled “Certificate Course in Mushroom Cultivation”. The notification and advertisement were made through our college website. The brochure of the course was uploaded on the college website. The course was started on 15 December 2023 to 16 March 2024. The time-table was displayed on the department notice board. In all 51 students were admitted for course. Regular lectures and practical were conducted as per time -table. Examination of the said course was conducted and certificates were issued to the students who have completed the course successfully. Students were guided with the knowledge about cultivation and economic importance of mushroom. The supportive department staff and the administration of the college and specially Hon Principal support a lot.


Course Co-ordinator


Head
Department of Botany

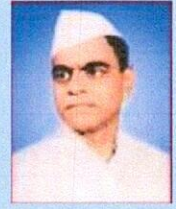

Principal
PRINCIPAL
KISAN VEER MAHAVIDYALAYA
Wai, Dist. Satara





JANATA SHIKSHAN SANSTHA'S KISAN VEER MAHAVIDYALAYA, WAI

(Affiliated to Shivaji University, Kolhapur)
NAAC Grade: B+ (CGPA- 2.66)



Certificate Course In Mushroom Cultivation



Significance of the course

Scope	Opportunities
Mushrooms are used extensively in cooking, in many cuisines	Mushroom farming is one of the most profitable agri-business that can be started with lesser investment and space
Mushrooms are a rich source of various antioxidants including Vitamin C, selenium, glutathione, and choline.	It is gradually growing as an alternative source of income for many people
It is also an excellent source of protein, fibre, and vitamin D. Thus the demand for mushroom is increasing steadily.	

Intake capacity- Min – 30 Max- 55 Medium of Instruction – English Duration – 3 months Fees- Rs. 500/- Eligibility- All UG Students (Science faculty)	Syllabus- Duration of Course – 60 hrs. Theory – 100 Marks (40 hrs.) Practical – 50 marks (20 hrs.) Training- 50 marks min 10 days	3 month – course work Theory- paper I and paper II – 100 Practical – 50
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For further details contact:-

Course coordinator-

Dr. Mrs. M. V. Ingawale- 9922393896

Dr. Mrs. D. A. Choudhari- 9689958805



DEPARTMENT OF BOTANY

Department of Botany

Kisan Veer Mahavidyalaya Wai

Date 27/11/2023

Notice

All B.Sc. Students are hereby informed that our department will be conducting a "Certificate Course in Mushroom Cultivation." The course is scheduled to commence on 15/12/2023. The duration of course is 30 hours, and the fee is 500/-. Interested students should enroll their names with Lab Assistant Shri Thombare Navanath in the Department of Botany.



A handwritten signature in blue ink, appearing to be "S. B. S.", written over a circular stamp.

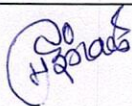
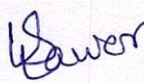



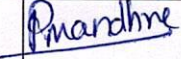
Head

Department of Botany
DEPARTMENT OF BOTANY
Kisan Veer Mahavidyalaya, Wai

JANATA SHIKAHSN SANSTHA'S
KISAN VEER MAHAVIDYALAYA, WAI
DEPARTMENT OF BOTANY

Notice

The meeting of the board of studies of Botany will be held on Wednesday 17th May 2023 at 11.45 am in the department of Botany. The meeting will be chaired by Dr. Mrs. M. V. Inagawale Head Department of Botany Kisan Veer Mahavidyalaya Wai. All the members are advised to attend the meeting.

Sr. No.	Name	Designation	Position	Signature
1.	Dr. Mrs. M. V. Ingawle	Head Kisan veer Mahavidyalaya, Wai	Chairperson	
2.	Dr. Uday Pawar	Head Aamdar Shashikant Shinde Mahavidyalaya Medha.	Member	
3.	Dr. Mrs. D. A. Choudhari	Assistant Professor Kisan veer Mahavidyalaya, Wai	Member	
4.	Mr. A. A. Mokashi	Assistant Professor Kisan veer Mahavidyalaya, wai	Member	
5.	Miss H. V. Jadhav	Assistant Professor Kisan veer Mahavidyalaya, Wai	Member	
6.	Miss Pratiksha Mandhre	Assistant Professor Dnyanganga Study Center Wai	Member	



JANATA SHIKSHAN SANSTHA'S
KISAN VEER MAHAVIDYALAYA, WAI
DEPARTMENT OF BOTANY
CERTIFICATE COURSE IN MUSHROOM CULTIVATION

Introduction

Mushrooms are being used as food and medicine from ancient times. Mushroom contains all essential amino acids, vitamin B complex, iron, calcium, potassium, phosphorous, folic acid and other biochemical compounds. It is also a good source of dietary fibre. It is regarded as highly edible even for people suffering from cholesterol problems, heart diseases, diabetes and cancer. Mushroom cultivation has now become a source for income generation since there is a large demand for healthy and quality food products. Many value added products are also obtained from mushrooms. The cultivation procedure is characterised by small initial investment and year round production. It is an eco-friendly agricultural practice. Considering the commercial viability and self-employment potential of mushroom cultivation and marketing, the Department is offering the same as an add on certificate course to the under graduate students of the College.

Aims of the Course

- To enable the students to identify the edible and poisonous mushrooms.
- To provide hands-on training for the preparation of bed for mushroom cultivation and its harvesting, pests and diseases control and post harvesting management.
- To provide the students awareness about the marketing trends of Mushrooms.
- To give the students exposure to the experiences of experts in the field and to functioning mushroom farms.
- To help the students to learn a means of self-employment and income generation.

Examinations

Sr. no.	Paper	Marks
1	Paper I – Theory	50
2	Paper II- Theory	50
3	Practical	50
4	Training	50
	Total	200



“CERTIFICATE COURSE IN MUSHROOM CULTIVATION”

Eligibility- B. Sc I, B. Sc II, B. Sc III Students

Duration – Three months.

Objective of course

- To facilitate self-employment.
- To know the nutrient value of mushroom.
- To study the morphology and types of Mushrooms.
- To know the spawn production technique.
- To aware the identification of edible and poisonous Mushrooms.
- To learn the prospects and scope of mushroom cultivation in small scale industry.
- To understand the Diseases. Post harvesting techniques of Mushrooms.

Contact

Dr. Mrs. D. A. Choudhari

Course Coordinator

Mob. No. 9689958805

Dr. Mrs. M. V. Ingawale

Head of Department of Botany

Mob. No. 99223938



Theory Syllabus for Mushroom Cultivation

100 Marks

UNIT I

Introduction – History of mushroom cultivation; Classification and distribution of mushroom; life cycle of mushroom. Identification of poisonous mushrooms.

UNIT II

Spawn preparation - Isolation of pure culture; Nutrient media for pure culture; layout of spawn preparation room; raw material of spawn; sterilization; preparation of mother spawn and multiplication.

UNIT III

Cultivation of mushroom, layout of mushroom shed - small scale and large scale production unit. Types of raw material – preparation and sterilization; Mushroom bed preparation – maintenance of mushroom shed; harvesting method and preservation of mushrooms.

UNIT IV

Nutrient values of mushroom – protein, carbohydrate, fat, fibre, vitamins and amino acids contents; short and long term storage of mushroom; preparation of various dishes from mushroom. Medicinal value of mushroom – cultivation, extraction, isolation and identification of active principle from mushroom. Pharmacological and economic values of mushroom.

Practical Syllabus

50 Marks

1. Orientation to a Mushroom Farm.
2. Preparation of Pure Culture and Maintenance of Culture.
3. Preparation of Mother Spawn, Commercial spawn and its storage.
4. Composting method
5. Spawning, casing, cropping and post-harvest handling.
6. Cultivation of Oyster Mushroom
7. Cultivation of Paddy straw mushroom
8. Identification of Insects affecting Button Mushroom.
9. Disease caused by fungi bacteria and abiotic factors
10. Market survey and cost benefit analysis.

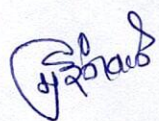


JANATA SHIKSHAN SANSTHA'S
KISAN VEER MAHAVIDYALAYA, WAI
DEPARTMENT OF BOTANY
CERTIFICATE COURSE IN MUSHROOM CULTIVATION
TIME TABLE – 2023-24

Sr. no.	Month	Thursday (lecture) 1.30p.m – 2. 30p.m	Friday (lecture) 1.30p.m – 2. 30p.m
1	December	MVI	DAC
2	January	MVI	DAC
3	February	AAM	HVJ
4	March	HVJ	AAM

Note- Attendance of students is compulsory.




HEAD
DEPARTMENT OF BOTANY
Kisan Veer Mahavidyalaya, Wai

JANATA SHIKSHAN SANSTHA'S
KISAN VEER MAHAVIDYALAYA, WAI
DEPARTMENT OF BOTANY
CERTIFICATE COURSE IN MUSHROOM CULTIVATION

List of Students

Sr. no.	Roll No.	Name of the students	Class
1	1	Sawant Shreyasi Satish	B.Sc.III
2	32	Ladaf Madina Abdul	B.Sc.III
3	33	Warkhade Shivanjalee Ajit	B.Sc.III
4	35	Pawar Diksha Prakash	B.Sc.III
5	54	Jaygude Manasi Pradeep	B.Sc.III
6	64	Bhosale Pratiksha Dinkar	B.Sc.III
7	74	Kale Vaishnavi Umesh	B.Sc.III
8	75	Dagade Shivani Dnyaneshwar	B.Sc.III
9	76	Shinde Vaishnavi Dattatray	B.Sc.III
10	77	Gole Supriya Suryakant	B.Sc.III
11	87	Jadhav Ankita Dashrath	B.Sc.III
12	88	Bhosale Shrikant Bhikaji	B.Sc.III
13	37	Ram Ranikumari Sarojkumar	B.Sc.II
14	38	Rucha Santosh Deshmukh	B.Sc.II
15	39	Kale Snehal Hindurao	B.Sc.II
16	43	Tarate Shruti Krishndev	B.Sc.II
17	48	Dhurgude Rahul Kundlik	B.Sc.II
18	49	Kadam Payal Dnyaneshwar	B.Sc.II
19	50	Pawar Aryan Dilip	B.Sc.II
20	51	Dagade Prashant Tatyaba	B.Sc.II
21	52	Shaikh Sohel Sharif	B.Sc.II
22	53	Pawar Om Sandip.	B.Sc.II
23	54	Tarate Vinay Vijay	B.Sc.II
24	55	Anabhule Abhinav Sunil	B.Sc.II
25	56	Nigade Om Vikas	B.Sc.II
26	58	Bagal Prasad Shukracharya	B.Sc.II

27	59	Bandal Adinath Suresh	B.Sc.II
28	60	Pawar Shantanu Sanjay	B.Sc.II
29	61	Mandhare Prathamesh Satish	B.Sc.II
30	62	Mandhare Shivam Anil	B.Sc.II
31	63	More Swarup Ravindra	B.Sc.II
32	65	Koli Anjali Vitthal	B.Sc.II
33	66	Prajwal Rajendra Kadam	B.Sc.II
34	67	Lokhande Rohit Suhas	B.Sc.II
35	68	Kadam Omkar Vijay.	B.Sc.II
36	69	Bhosale Abhijit Santosh	B.Sc.II
37	72	Chavan Aniket Mahadev	B.Sc.II
38	122	Dhekane Diya Janardan	B.Sc.I
39	123	Pilaware Aditya Vishvanath	B.Sc.I
40	124	Bhosale Vinit Sunil	B.Sc.I
41	125	Shedage Shambhu Shivaji	B.Sc.I
42	126	More Siddhi Vilas	B.Sc.I
43	127	Nalage Sanika Ajit	B.Sc.I
44	128	Dhumal Gayatri Indrajeet	B.Sc.I
45	129	Ithape Makrand Sanjay	B.Sc.I
46	130	Yadav Akash Rajendra	B.Sc.I
47	131	Waghmale Sarang Krushnat	B.Sc.I
48	132	Shinde Vaishnavi Anna	B.Sc.I
49	133	Shinde Pranav Kiran	B.Sc.I
50	134	Shinde Shivam Sunil	B.Sc.I
51	135	Saniya Aliahmed Shaikh	B.Sc.I



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HEAD
DEPARTMENT OF BOTANY
Kisan Veer Mahavidyalaya, Wai

JANATA SHIKAHSN SANSTHA'S
KISAN VEER MAHA VIDYALAYA, WAI

DEPARTMENT OF BOTANY
CERTIFICATE COURSE IN MUSHROOM CULTIVATION

ATTENDANCE (2023-24)

Month: Dec 23 - Jan 24

Sr.No	Roll.No	Student Name	15/12/2023	21/12/2023	22/12/23	28/12/23	29/12/23	5/10/24	11/01/24	12/1/24
BSc-I										
1	122	DHEKANE DIVYA JANARDHAN	Divya	Divya	Dya	Divya	Divya	Divya	Divya	Divya
2	123	PILWANE ADITYA VISHWANATH	Aditya	Pilwan	Pilwan	Pilwan	Pilwan	Pilwan	Pilwan	Pilwan
3	124	BHOSALE VINIT SUNIL	V.S.B	V.S.B	V.S.B	V.S.B	V.S.B	V.S.B	V.S.B	V.S.B
4	125	SHEDAGE SHAMBHU SHIVAJI	S.Shed	S.Shed	S.Shed	S.Shed	S.Shed	S.Shed	S.Shed	S.Shed
5	126	MORE SIDDHI VILAS	More	More	More	More	More	More	More	More
6	127	NALAGE SANIKA AJIT	Nalage	Nalage	Nalage	Nalage	Nalage	Nalage	Nalage	Nalage
7	128	DHUMAL GAYATRI INDRAJEET	Gadga	Gadga	Gadga	Gadga	Gadga	Gadga	Gadga	Gadga
8	129	ITHAPE MAKARAND SANJAY	Itape	Itape	Itape	Itape	Itape	Itape	Itape	Itape
9	130	YADAV AAKASH RAJENDRA	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav
10	131	WAGHAMALE SARANG KRUSHNATH	Wagham	Wagham	Wagham	Wagham	Wagham	Wagham	Wagham	Wagham
11	132	SHINDE VAISHNAVI ANNA	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde
12	133	SHINDE PRANAV KIRAN	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde
13	134	SHINDE SHIVAM SUNIL	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde
14	135	SHAIKH SANIYA ALIAHAMAD	Shaikh	Shaikh	Shaikh	Shaikh	Shaikh	Shaikh	Shaikh	Shaikh

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**JANATA SHIKHSHAN SANSTHA'S
KISAN VEER MAHAVIDYALAYA, WAI**

**DEPARTMENT OF BOTANY
CERTIFICATE COURSE IN MUSHROOM CULTIVATION**

ATTENDANCE (2023-24)

Month: Dec.- Jan

32	62	MANDHRE SHIVAM ANIL	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	
33	63	MORE SWARUP RAVINDRA	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	
34	65	KOLI ANJALI VITTHAL	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	
35	66	KADAM PRAJWAL RAJENDRA	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	
36	67	LOKHANDE ROHIT SUHAS	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	
37	68	KADAM OMKAR VIJAY	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	
38	69	BOSALE ABHIJEET SANTOSH	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	
39	72	CHAVAN ANIKET MAHADEV	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	
BSc-III																					
40	1	SWANT SHREYASI SATISH	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	
41	32	LADAF MADINA ABDUL	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	
42	33	WARKHADE SHIVANJALEE AJIT	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	
43	35	PAWAR DIKSHA PRAKASH	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	
44	54	JAYGUDE MANSI PRADEEP	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	
45	64	BHOSALE PRAKISHA DINKAR	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	
46	74	KALE VAISHNAVI UMESH	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	
47	75	DAGADE SHIVANI DNYANESHWAR	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	
48	77	GOLE SUPRIYA SURYAKANT	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	

(Signature)



(Signature)

JANATA SHIKAHSN SANSTHA'S
KISAN VEER MAHAVIDYALAYA, WAI

DEPARTMENT OF BOTANY
CERTIFICATE COURSE IN MUSHROOM CULTIVATION

ATTENDENCE (2023-24)

Month: Dec - Jan

49	87	JADHAV ANKITA DASHRATH	Ankita	Ankita	Ankita	Ankita	Ankita	Ankita	Ankita
50	88	BHOSALE SHRIKANT BHIKAJI	S.B.B	S.B.B	S.B.B	S.B.B	S.B.B	S.B.B	S.B.B
51	76	SHINDE VAISHNAVI DATTATRAY	Vshinde	Vshinde	Vshinde	Vshinde	Vshinde	Vshinde	Vshinde

(Signature)

(Signature)

PRINCIPAL
KISAN VEER MAHAVIDYALAYA
Wai, Dist. Satara



(Signature)

**JANATA SHIKAHSN SANSTHA'S
KISAN VEER MAHAVIDYALAYA, WAI**

**DEPARTMENT OF BOTANY
CERTIFICATE COURSE IN MUSHROOM CULTIVATION
ATTENDANCE (2023-24)**

Month: Jan - feb

Sr.No	Roll.No	Student Name	18/11/24	19/11/24	25/11/24	11/2/24	2/2/24	8/2/24	9/2/24	15/2/24
BSc-I										
1	122	DHEKANE DIVYA JANARDHAN	Present	Present	Present	Present	Present	Present	Present	Present
2	123	PILWANE ADITYA VISHWANATH	Present	Present	Present	Present	Present	Present	Present	Present
3	124	BHOSALE VINIT SUNIL	Present	Present	Present	Present	Present	Present	Present	Present
4	125	SHEDAGE SHAMBHU SHIVAJI	Present	Present	Present	Present	Present	Present	Present	Present
5	126	MORE SIDDHI VILAS	Present	Present	Present	Present	Present	Present	Present	Present
6	127	NALAGE SANIKA AJIT	Present	Present	Present	Present	Present	Present	Present	Present
7	128	DHUMAL GAYATRI INDRAJEET	Present	Present	Present	Present	Present	Present	Present	Present
8	129	ITHAPE MAKARAND SANJAY	Present	Present	Present	Present	Present	Present	Present	Present
9	130	YADAV AAKASH RAJENDRA	Present	Present	Present	Present	Present	Present	Present	Present
10	131	WAGHMALE SARANG KRUSHNATH	Present	Present	Present	Present	Present	Present	Present	Present
11	132	SHINDE VAISHNAVI ANNA	Present	Present	Present	Present	Present	Present	Present	Present
12	133	SHINDE PRANAV KIRAN	Present	Present	Present	Present	Present	Present	Present	Present
13	134	SHINDE SHIVAM SUNIL	Present	Present	Present	Present	Present	Present	Present	Present
14	135	SHAIKH SANIYA ALIAHAMAD	Present	Present	Present	Present	Present	Present	Present	Present



Present

Wai

JANATA SHIKHSHAN SANSTHA'S
KISAN VEER MAHAVIDYALAYA, WAI
DEPARTMENT OF BOTANY
CERTIFICATE COURSE IN MUSHROOM CULTIVATION
ATTENDANCE (2023-24)

Month: Jan - feb

BSc-II													
15	RAM RANIKUMARI SAROJKUMAR	Desmukh	Desmukh	Desmukh	Desmukh	Desmukh	Desmukh	Desmukh	Desmukh	Desmukh	Desmukh	Desmukh	Desmukh
16	DESHMUKH RUCHA SANTOSH	Skok	Skok	Skok	Skok	Skok	Skok	Skok	Skok	Skok	Skok	Skok	Skok
17	KALE SNEHAL HINDURAO	Parate	Parate	Parate	Parate	Parate	Parate	Parate	Parate	Parate	Parate	Parate	Parate
18	TARATE SHRUTI KRUSHINDEV	Parat	Parat	Parat	Parat	Parat	Parat	Parat	Parat	Parat	Parat	Parat	Parat
19	DHURGUDE RAHUL KUNDALIK	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam
20	KADAM PAYAL DNYANESHWAR	Arje	Arje	Arje	Arje	Arje	Arje	Arje	Arje	Arje	Arje	Arje	Arje
21	PAWAR ARAYAN DILIP	Ptd	Ptd	Ptd	Ptd	Ptd	Ptd	Ptd	Ptd	Ptd	Ptd	Ptd	Ptd
22	DAGADE PRASHANT TATYABA	Parat	Parat	Parat	Parat	Parat	Parat	Parat	Parat	Parat	Parat	Parat	Parat
23	SHAIKH SOHEL SHARIF	Cell	Cell	Cell	Cell	Cell	Cell	Cell	Cell	Cell	Cell	Cell	Cell
24	PAWAR OM SANDIP	Ustaf	Ustaf	Ustaf	Ustaf	Ustaf	Ustaf	Ustaf	Ustaf	Ustaf	Ustaf	Ustaf	Ustaf
25	TARATE VINAY VIJAY	Shm	Shm	Shm	Shm	Shm	Shm	Shm	Shm	Shm	Shm	Shm	Shm
26	ANBHULE ABHINAV SUNIL	Cell	Cell	Cell	Cell	Cell	Cell	Cell	Cell	Cell	Cell	Cell	Cell
27	NIGADE OM VIKAS	P-S Babal	P-S Babal	P-S Babal	P-S Babal	P-S Babal	P-S Babal	P-S Babal	P-S Babal	P-S Babal	P-S Babal	P-S Babal	P-S Babal
28	BAGAL PRAKASH SHUKRACHARYA	A.S Bandal	A.S Bandal	A.S Bandal	A.S Bandal	A.S Bandal	A.S Bandal	A.S Bandal	A.S Bandal	A.S Bandal	A.S Bandal	A.S Bandal	A.S Bandal
29	BANDAL AADINATH SURESH	S.P. Pawar	S.P. Pawar	S.P. Pawar	S.P. Pawar	S.P. Pawar	S.P. Pawar	S.P. Pawar	S.P. Pawar	S.P. Pawar	S.P. Pawar	S.P. Pawar	S.P. Pawar
30	PAWAR SHANTANU SANJAY	Prakash	Prakash	Prakash	Prakash	Prakash	Prakash	Prakash	Prakash	Prakash	Prakash	Prakash	Prakash
31	MANDHARE PRATHAMESH SATISH												



Prakash

Prakash

**JANATA SHIKAHSN SANSTHA'S
KISAN VEER MAHA VIDYALAYA, WAI**

**DEPARTMENT OF BOTANY
CERTIFICATE COURSE IN MUSHROOM CULTIVATION
ATTENDANCE (2023-24)**

Month: Feb. - March

Sr.No	Roll.No	Student Name	16/2/24	22/2/24	23/2/24	29/2/24	7/3/24	14/3/24	15/3/24	16/3/24
BSc-I										
1	122	DHEKANE DIVYA JANARDHAN	Don	Don	Don	Don	Don	Don	Don	Don
2	123	PILWARE ADITYA VISHWANATH	AP	AP	PP	PP	AP	AP	AP	AP
3	124	BHOSALE VINIT SUNIL	BS	BS	BS	BS	BS	BS	BS	BS
4	125	SHEDAGE SHAMBHU SHIVAJI	BS	BS	BS	BS	BS	BS	BS	BS
5	126	MORE SIDDHI VILAS	more	more	more	more	more	more	more	more
6	127	NALAGE SANIKA AJIT	BN	BN	BN	BN	BN	BN	BN	BN
7	128	DHUMAL GAYATRI INDRAJEET	Smal	Smal	Smal	Smal	Smal	Smal	Smal	Smal
8	129	ITHAPE MAKARAND SANJAY	Smal	Smal	Smal	Smal	Smal	Smal	Smal	Smal
9	130	YADAV AAKASH RAJENDRA	AY	AY	AY	AY	AY	AY	AY	AY
10	131	WAGHAMALE SARANG KRUSHNATH	AY	AY	AY	AY	AY	AY	AY	AY
11	132	SHINDE VAISHNAVI ANNA	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde
12	133	SHINDE PRANAV KIRAN	Pshinde	Pshinde	Pshinde	Pshinde	Pshinde	Pshinde	Pshinde	Pshinde
13	134	SHINDE SHIVAM SUNIL	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh
14	135	SHAIKH SANIYA ALIAHAMAD	Shamy	Shamy	Shamy	Shamy	Shamy	Shamy	Shamy	Shamy

Shinde.



Shinde

JANATA SHIKAHSN SANSTHA'S
KISAN VEER MAHAVIDYALAYA, WAI
DEPARTMENT OF BOTANY
CERTIFICATE COURSE IN MUSHROOM CULTIVATION
ATTENDANCE (2023-24)

Month: feb. - march

BSc-II													
15	RAM RANIKUMARI SAROJKUMAR	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt
16	DESHMUKH RUCHA SANTOSH	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt
17	KALE SNEHAL HINDURAO	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt
18	TARATE SHRUTI KRUSHNDEV	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt
19	DHURGUDE RAHUL KUNDALIK	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt
20	KADAM PAYAL DNYANESHWAR	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt
21	PAWAR ARAYAN DILIP	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt
22	DAGADE PRASHANT TATYABA	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt
23	SHAIKH SOHEL SHARIF	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt
24	PAWAR OM SANDIP	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt
25	TARATE VINAY VIJAY	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt
26	ANBHULE ABHINAV SUNIL	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt
27	NIGADE OM VIKAS	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt
28	BAGAL PRAKASH SHUKRACHARYA	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt
29	BANDAL AADINATH SURESH	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt
30	PAWAR SHANTANU SANJAY	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt
31	MANDHARE PRATHAMESH SATISH	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt	Presmkt



G. S. Patil

D. Dharm

JANATA SHIKAHSN SANSTHA'S
KISAN VEER MAHAVIDYALAYA, WAI

DEPARTMENT OF BOTANY
CERTIFICATE COURSE IN MUSHROOM CULTIVATION

ATTENDANCE (2023-24)

Month: Feb.- March

32	62	MANDHRE SHIVAM ANIL	Santosh	Santosh	Santosh	Santosh	Santosh	Santosh	Santosh
33	63	MORE SWARUP RAVINDRA	Pradeep	Pradeep	Pradeep	Pradeep	Pradeep	Pradeep	Pradeep
34	65	KOLI ANJALI VITTHAL	Pradeep	Pradeep	Pradeep	Pradeep	Pradeep	Pradeep	Pradeep
35	66	KADAM PRAJWAL RAJENDRA	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam
36	67	LOKHANDE ROHIT SUHAS	Rakhande	Rakhande	Rakhande	Rakhande	Rakhande	Rakhande	Rakhande
37	68	KADAM OMKAR VIJAY	Pradeep	Pradeep	Pradeep	Pradeep	Pradeep	Pradeep	Pradeep
38	69	BOSALE ABHIJEET SANTOSH	AB	AB	AB	AB	AB	AB	AB
39	72	CHAVAN ANIKET MAHADEV	Pradeep	Pradeep	Pradeep	Pradeep	Pradeep	Pradeep	Pradeep

BSc-III

40	1	SWANT SHREYASI SATISH	Satish	Satish	Satish	Satish	Satish	Satish	Satish
41	32	LADAF MADINA ABDUL	Ladaf	Ladaf	Ladaf	Ladaf	Ladaf	Ladaf	Ladaf
42	33	WARKHADE SHIVANJALEE AJIT	Ajit	Ajit	Ajit	Ajit	Ajit	Ajit	Ajit
43	35	PAWAR DIKSHA PRAKASH	Manshi	Manshi	Manshi	Manshi	Manshi	Manshi	Manshi
44	54	JAYGUDE MANSI PRADEEP	Manshi	Manshi	Manshi	Manshi	Manshi	Manshi	Manshi
45	64	BHOSALE PRAKASHA DINKAR	Pradeep	Pradeep	Pradeep	Pradeep	Pradeep	Pradeep	Pradeep
46	74	KALE VAISHNAVI UMESH	Vishnavi	Vishnavi	Vishnavi	Vishnavi	Vishnavi	Vishnavi	Vishnavi
47	75	DAGADE SHIVANI DNYANESHWAR	Dagade	Dagade	Dagade	Dagade	Dagade	Dagade	Dagade
48	77	GOLE SUPRIYA SURYAKANT	Gole	Gole	Gole	Gole	Gole	Gole	Gole

(Signature)



(Signature)

JANATA SHIKAHSN SANSTHA'S
KISAN VEER MAHAVIDYALAYA, WAI
DEPARTMENT OF BOTANY
CERTIFICATE COURSE IN MUSHROOM CULTIVATION

Month: Feb. - March

ATTENDENCE (2023-24)

49	JADHAV ANKITA DASHRATH	Ankita	Ankita	Ankita	Ankita	Ankita	Ankita	Ankita	Ankita
50	BHOSALE SHRIKANT BHIKAJI	Shrikant	Shrikant	Shrikant	Shrikant	Shrikant	Shrikant	Shrikant	Shrikant
51	SHINDE VAISHNAVI DATTATRAY	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde

(Signature)

(Signature)
PRINCIPAL
KISAN VEER MAHAVIDYALAYA
Wai, Dist. Satara



(Signature)

Janata Shikshan Sanstha's
Kisan Veer Mahavidyalaya, Wai
Department of Botany
Certificate Course In Mushroom Cultivation
Paper I

Date: - / / 2024

Marks: - 50

Q. 1. Select the correct alternative from given options. 10

1. _____ is known as temperature tolerant white button mushroom.
a. Agaricus b. Pleurotus c. Voveriella d. Agaricusbitorquis
2. Agaricusbisporus belongs to family _____.
a. Agaricaceae b. Malvaceae c. Rubiaceae d. Solanaceae
3. Basidiosporesare _____ spores.
a. exogenous b. endogenous c. Both a and b d. None of these
4. _____ toxin is present in Amanita muscaria.
a. Ibotenic acid b. Lactic acid c. Acidic acid d. All of the above
5. _____ is known as 'king oyster mushroom'.
a. Pleurotuseryngii b. Volveriella c. Agaricus d. None of the above
6. Formaldehyde is used as _____ in mushroom cultivation.
a. Disinfectant b. Fertilizer c. Insect repellent d. Food material
7. Short method of button mushroom compost preparation requires _____ days.
a. 14-18 days b. 10 days c. 20 days d. 30 days
8. What is the other name of Mushroom?
a. Funaria b. Dryopteris c. Agaricus d. Ferus
9. To which division does it belong?
a. Basidiomycetes b. Pteridophyta c. Thallophyta d. Mollusca
10. Mushroom is:
a. Saprophytic fungus b. Autotrophic Algae
c. Heterotrophic fungus d. None of the above

Q. 2. Short answer type questions: 20

1. Write a note on marketing of mushrooms.


2. Give the medicinal benefits of mushrooms.
3. Preparation of seed grain spawns.
4. Commercial importance of mushroom.

Q. 3. Long answer type questions:

20

1. Explain history of mushroom cultivation
2. Describe preparation of substrate, spawning and incubation of oyster mushroom cultivation.




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DEPARTMENT OF BOTANY
Kisan Veer Mahavidyalaya, Wai

Janata shikshan sanstha's
Kisan Veer Mahavidyalaya, Wai
Department of Botany
Certificate Course In Mushroom Cultivation
Paper II

Date: - / / 2024

Marks: - 50

Q. 1. Select the correct alternative from given options. 10

1. Brown coloured dye is obtained from _____.
a. Polyporus bispidus b. Agaricus bisporus
c. Gonoderma frondos d. Amanita muscaria
2. During Spawning temperature should be maintain between _____.
a. 20-30 b. 55- 70 c. 80-100 d. 0-10
3. Plurotus is also known as _____.
a. Paddy straw mushroom b. Dhingary Mushroom
c. Button Mushroom d. None of the above
4. Preservation methods of mushrooms are _____.
a. pickling b. Canning c. both d. None of the above
5. Mushrooms are good source of _____.
a. Protein b. Carbohydrates c. Fats d. None of these
6. The poisonous or inedible species of fungi are known as _____.
a. Mushrooms b. Bracket fungi c. Toad stools d. saprophytic fungi
7. Spawn is the _____ Of Mushroom
a. Spores b. Mycellium c. Fruit d. Both a and b
8. Mushrooms are fruit. Do you know what kind of fruit they are?
a. Mold b. Fungus c. Blackberry d. Cherry
9. Longer method of compost preparation requires -----days
a. 28 days b. 15 Days c. 45 days d. 8 days
10. Mushroom Farm Layout requires _____.
a. Composting unit b. Prewetting area c. Both d. None of these

Q. 2. Short answer type questions:

20

1. Write a short note on poisonous mushroom
2. Preparation of seed grain spawns.
3. Write a short note on 'Food value of mushrooms'.
4. Briefly trace the History of Mushroom cultivation.

Q. 3. Long answer type questions:

20

1. Describe steps involved in Pleurotus mushroom Cultivation.
2. Write down commercial importance of mushroom.



A handwritten signature in purple ink, appearing to read "G. R. Joshi".

HEAD
DEPARTMENT OF BOTANY
Kisan Veer Mahavidyalaya, Wai

Kisan Veer Mahavidyalaya, Wai

Department of Botany

Short term course

Mushroom cultivation

Mark sheet 2023-24

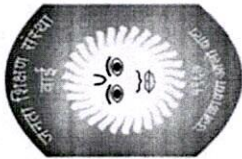
Sr No.	Class	Roll No.	Student Name	Marks				Total
				Paper I	Paper II	Practical	Training	
1	B.Sc I	122	DHEKANE DIVYA JANARDHAN	38	41	45	43	167
2	B.Sc I	123	PILWARE ADITYA VISHWANATH	41	38	41	46	166
3	B.Sc I	124	BHOSALE VINIT SUNIL	28	25	43	44	140
4	B.Sc I	125	SHEDAGE SHAMBHU SHIVAJI	26	23	42	42	133
5	B.Sc I	126	MORE SIDDHI VILAS	27	25	46	41	139
6	B.Sc I	127	NALAGE SANIKA AJIT	29	26	44	42	141
7	B.Sc I	128	DHUMAL GAYATRI INDRAJEET	26	27	46	46	145
8	B.Sc I	129	ITHAPE MAKARAND SANJAY	29	26	45	44	144
9	B.Sc I	130	YADAV AAKASH RAJENDRA	25	27	43	41	136
10	B.Sc I	131	WAGHAMALE SARANG KRUSHNATH	29	23	47	43	142
11	B.Sc I	132	SHINDE VAISHNAVI ANNA	22	25	44	42	133
12	B.Sc I	133	SHINDE PRANAV KIRAN	24	26	43	46	139
13	B.Sc I	134	SHINDE SHIVAM SUNIL	23	28	45	42	138
14	B.Sc I	135	SHAIKH SANIYA ALIAHAMAD	21	23	43	43	130
15	B.Sc II	37	RAM RANIKUMARI SAROKKUMAR	32	39	43	41	155
16	B.Sc II	38	DESHMUKH RUCHA SANTOSH	32	38	41	42	153
17	B.Sc II	39	KALE SNEHAL HINDURAO	31	39	43	44	157
18	B.Sc II	43	TARATE SHRUTI KRUSHNDEV	35	23	46	42	146
19	B.Sc II	48	DHURGUDE RAHUL KUNDALIK	44	42	43	41	170
20	B.Sc II	49	KADAM PAYAL DNYANESHWAR	27	40	43	42	152
21	B.Sc II	50	PAWAR ARAYAN DILIP	41	39	47	44	171
22	B.Sc II	51	DAGADE PRASHANT TATYABA	27	24	48	43	142
23	B.Sc II	52	SHAIKH SOHEL SHARIF	26	23	41	42	132
24	B.Sc II	53	PAWAR OM SANDIP	34	26	43	42	145
25	B.Sc II	54	TARATE VINAY VIJAY	25	27	44	45	141
26	B.Sc II	55	ANBHULE ABHINAV SUNIL	43	40	43	41	167
27	B.Sc II	56	NIGADE OM VIKAS	30	29	45	42	146
28	B.Sc II	58	BAGAL PRAKASH SHUKRACHARYA	39	23	45	43	150
29	B.Sc II	59	BANDAL AADINATH SURESH	38	38	46	44	166

30	B. Sc II	60	PAWAR SHANTANU SANJAY	36	35	41	45	157
31	B. Sc II	61	MANDHARE PRATHAMESH SATISH	42	40	42	45	169
32	B. Sc II	62	MANDHRE SHIVAM ANIL	38	38	44	43	163
33	B. Sc II	63	MORE SWARUP RAVINDRA	30	37	43	42	152
34	B. Sc II	65	KOLI ANJALI VITTHAL	34	36	46	41	157
35	B. Sc II	66	KADAM PRAJWAL RAJENDRA	25	24	47	44	140
36	B. Sc II	67	LOKHANDE ROHIT SUHAS	37	24	43	40	144
37	B. Sc II	68	KADAM OMKAR VIJAY	37	38	42	42	159
38	B. Sc II	69	BOSALE ABHIJEET SANTOSH	36	37	44	43	160
39	B. Sc II	72	CHAVAN ANIKET MAHADEV	36	38	46	42	162
40	B. Sc III	1	SWANT SHREYASI SATISH	36	38	43	45	162
41	B. Sc III	32	LADAF MADINA ABDUL	45	39	44	43	171
42	B. Sc III	33	WARKHADE SHIVANJALEE AJIT	38	44	45	44	171
43	B. Sc III	35	PAWAR DIKSHA PRAKASH	44	39	41	43	167
44	B. Sc III	54	JAYGUDE MANSI PRADEEP	40	41	46	42	169
45	B. Sc III	64	BHOSALE PRATIKSHA DINKAR	24	26	43	41	134
46	B. Sc III	74	KALE VAISHNAVI UMESH	40	36	44	44	164
47	B. Sc III	75	DAGADE SHIVANI DNYANESHWAR	36	25	47	43	151
48	B. Sc III	77	GOLE SUPRIYA SURYAKANT	34	38	43	43	158
49	B. Sc III	87	JADHAV ANKITA DASHRATH	41	36	42	42	161
50	B. Sc III	88	BHOSALE SHRIKANT BHIKAJI	24	26	42	41	133
51	B. Sc III	76	SHINDE VAISHNAVI DATTATRAY	41	42	43	42	168



[Handwritten signature]

HEAD
DEPARTMENT OF BOTANY
Kisan Veer Mahavidyalaya, W.



JANATA SHIKSHAN SANSTHA'S
KISAN VEER MAHAVIDYALAYA, WAI



Certificate



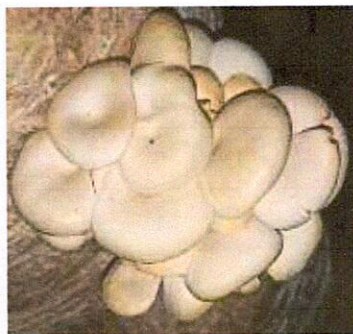
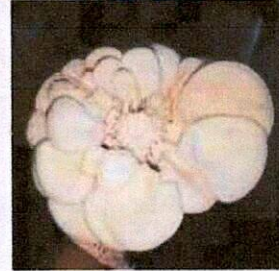
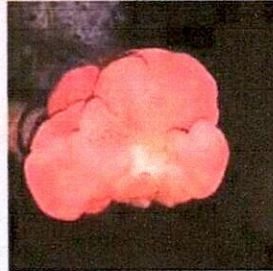
This is to certify that **Miss. Warkhade Shivanjali Ajit** has completed successfully **Certificate Course In Mushroom Cultivation** conducted by Department of Botany, Kisan Veer Mahavidyalaya, Wai for the Academic year 2023 -24 and obtained Grade 'A'.

Co-Ordinator
Certificate Course

Head
Department of Botany

Principal
Kisan Veer Mahavidyalaya, wai

JANATA SHIKSHAN SANSTHA'S
KISAN VEER MAHAVIDYALAYA, WAI
Department of Botany
Organized
Certificate Course in Mushroom Cultivation



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