

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

**Department of Botany**

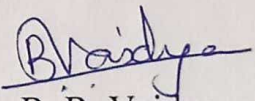
**Course: CERTIFICATE COURSE IN HORTICULTURE**

**NOTICE**

All the students who have enrolled their names for admission to **Certificate Course in Horticulture** are hereby informed that the **Inaugural Programme** of this course will be organized on Tuesday **1<sup>st</sup> December 2020** at **11.30 am** in Department of Botany. They should remain present for the same.

**Date:** 28<sup>th</sup> November 2020

Dr. Manjusha Ingawale  
Coordinator

  
Dr. R. R. Vaidya  
Head of Dept of Botany

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

**Department of Botany**

Course: **CERTIFICATE COURSE IN HORTICULTURE**

**INAUGURAL PROGRAMME**

**1<sup>st</sup> December 2020**

**11.00 am**

<b>Welcome and Introduction</b>	<b>:</b>	<b>Dr. Manjusha Ingawale</b> Coordinator
<b>Chief Guest</b>	<b>:</b>	<b>Dr. Eknath Bhalerao</b> I/C Principal
<b>Chairperson</b>	<b>:</b>	<b>Dr. Ramesh Vaidya</b> Head of Dept. of Botany
<b>Vote of Thanks</b>	<b>:</b>	<b>Mr. Anis Mokashi</b> Assistant Professor
<b>Anchor</b>	<b>:</b>	<b>Mr. Anis Mokashi</b> Assistant Professor



## Department of Botany

### CERTIFICATE COURSE IN HORTICULTURE

**Eligibility:** 10<sup>th</sup> (pass) Any Discipline  
**Medium of Instruction:** English

**Intake Capacity:**  
Min-10 Max- 25

**Duration:** 6 Months  
**Fees:** Rs. 500/-

#### Syllabus:

Duration of course- 120 hrs  
Theory- 70 marks (80hrs)  
Practical-30 Marks (40hrs)

#### 6 Month-Course Work

Theory- 70 Marks  
Practical -30 Marks  
Internal Experience -20 Marks  
Project Report -10 Marks

#### Internal Evaluation

Home Assignment - 5 Marks  
Periodical Tests - 5 Marks  
Seminars - 5 Marks  
Group Discussion - 5 Marks  
**Total - 20 Marks**

#### Over all aim of the course

1. To impart knowledge on status and export of horticulture plants.
2. To conserve horticulture plants.
3. To discuss problems in production and marketing.
4. To know the use of these plants in medicine, and cosmetics, perfumery industry
5. To Study horticultural plants.
6. To Study various conservation method.
7. Identification of these Plants.

#### Course Outcome

##### Knowledge skill:

- Develop an understanding on constraints and problems in production and marketing horticultural plants

##### Intellectual skills

- Developing expertise among the graduates for organized market for these plants.
- Creation of niche market covering phytochemicals, value addition and market enhancement.

##### Professional and practical skills

- To establish value addition ventures, botanical extract, isolation of bio-active compounds, aroma chemicals.
- Transforming the knowledge into skills for promotion of herbal industry.
- Practical exercises and field visit.

#### For Further Details Contact:

Course Coordinator-

**Dr. R. R. Vaidya** - 9370187486

**Dr. M. V. Ingawale** -9922393896



Janata Shikshan Sanstha's  
Kisan Veer Mahavidyalaya, Wai

Department of Botany

List of Teachers

Name of Course : Certificate Course in Horticulture

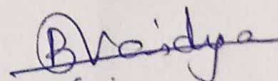
Academic Year : 2020-21

Duration : 1<sup>st</sup> December 2020 to 30<sup>th</sup> April 2021

Sr. No.	Name of Faculty	Designation	Address
1	Dr. E. B. Bhalerao	In-charge Principal	Kisan Veer Mahavidyalaya, Wai
2	Dr. R. R. Vaidya	Associate Professor	Department of Botany Kisan Veer Mahavidyalaya, Wai
3	Dr. M. V. Ingawale	Assistant Professor	Department of Botany Kisan Veer Mahavidyalaya, Wai
4	Mr. A. A. Mokashi	Assistant Professor	Department of Botany Kisan Veer Mahavidyalaya, Wai

Dr. M. V. Ingawale

Coordinator



Dr. R. R. Vaidya

Head of Dept .of Botany

Janata Shikshan Sanstha's  
Kisan Veer Mahavidyalaya, Wai

**DEPARTMENT OF BOTANY**

**SYLLABUS FOR SHORT TERM COURSE IN HORTICULTURE**

**Theory**

**Unit 1. FLORICULTURE**

- 1.1 Scope and importance of ornamental crops;
- 1.2 Industrial importance of ornamental plants
- 1.3 Detailed Cultivation of Roses

**Unit 2. ASEXUAL PROPAGATION**

- 1.4 Cutting technique in Hibiscus
- 1.5 Budding technique in Rose
- 1.6 Grafting technique in Mango
- 1.7 Air Layering in Pomegranate

**Unit 3. PLANT PATHOLOGY**

- 3.1 Introduction, scope and objectives of Plant Pathology.
- 3.2 Terms and concepts in Plant Pathology.
- 3.3 Diseases, symptoms and control of rose and mango

## Practical

1. Morphological studies of ornamental plants (As per syllabus)
2. Herbarium preparation.
3. Micro chemical tests. (Lipid, starch, protein, tannin, alkaloid and glycoside) any two of any plant.
4. Propagation methods-  
Budding  
Grafting  
Layering
5. Pot plantation – pot filling, planting and repotting
6. Conservation of any two horticultural plants in garden.
7. Study tour- report to be submitted.
8. Submission  
Project report  
Work experience  
(Theory)

### 6 month – Course work

- Theory - 70 Marks
- Practical - 30 Marks
- Internal Experience - 20 Marks
- Project report - 10 Marks
- Internal Evaluation - 20 Marks

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Total	150 Marks
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Janata Shikshan Sanstha's  
**Kisan Veer Mahavidyalaya, Wai**

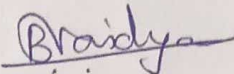
**Department of Botany**

**Time Table**

Name of Course : **Certificate Course in Horticulture**  
Academic Year : **2020-21**  
Duration : **1<sup>st</sup> December 2020 to 30<sup>th</sup> April 2021**

<b>Time</b>	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>	<b>Saturday</b>
2.00 pm-3.00 pm	MVI	RRV	EBB	AAM	MVI	EBB
3.00 pm- 4.00 pm	MVI	RRV	EBB	AAM	RRV	AAM

**Dr. Manjusha Ingawale**  
Coordinator

  
**Dr. R. R. Vaidya**  
Head of the Dept. of Botany



Janta Shikshan Santha Wai  
Kisan Veer Mahavidyalaya, Wai  
Certificate Course

Subject - Botany

Sr. No	Roll No.	Name	Class	Subject	Rec.No
1	28	KUMBHAR ANURADHA SURYAKANT	B.Sc. III	DSE : Botany	5042
2	55	MANSVI PRALHAD KAMBLE	B.Sc. III	DSE : Botany	5074
3	62	MATKAR DMYA SUDHIR	B.Sc. III	DSE : Botany	5112
4	87	KARE KOMAL LAXMAN	B.Sc. III	DSE : Botany	5066
5	88	KONDE TRUPTI BALASAHEB	B.Sc. III	DSE : Botany	5158
6	89	PAWAR PRATIKSHA VASANT	B.Sc. III	DSE : Botany	5159
7	95	GAIKWAD VRUSHALI VILAS	B.Sc. III	DSE : Botany	5149
8	105	GADHAVE AMRUTA DATTATRAY	B.Sc. III	DSE : Botany	5082
9	107	SUL APEKSHA BABURAO	B.Sc. III	DSE : Botany	5450
10	112	SAPKAL PRIYANKA SURESH.	B.Sc. III	DSE : Botany	5584
11	114	JADHAV DIPAK ANIL	B.Sc. III	DSE : Botany	4129
12	115	KURHADE SNEHAL SANJAY	B.Sc. III	DSE : Botany	4120
13	116	DABHADE SANJANA NANDKUMAR	B.Sc. III	DSE : Botany	4263
14	117	SHINDE KIRAN JAGDESH	B.Sc. III	DSE : Botany	5201
15	333	MOHITE SHVAJI SHAMRAO	B.Sc. III	DSE : Botany	4294



**Janata Shikshan Sanstha's  
Kisan Veer Mahavidyalaya, Wai  
Department of Botany**

Name of Course : **Certificate Course in Horticulture**

Academic Year : **2020-21**

Duration : **6 Months**

**MARKSHEET**

<b>Sr. No.</b>	<b>Name of Students</b>	<b>Roll No.</b>	<b>Theory (Out of 70 Marks)</b>	<b>Practical (Out of 30 Marks)</b>	<b>Total (Out of 100 Marks)</b>
1	Kumbhar Anuradha Suryakant	1	68	28	96
2	Kamble Mansvi Pralhad	2	68	26	94
3	Matkar Divya Sudhir	3	66	24	90
4	Kare Komal Laxman	4	66	25	91
5	Konde Trupti Balasaheb	5	66	25	91
6	Pawar Pratiksha Vasant	6	62	25	87
7	Gaikwad Vrushali Vilas	7	66	27	93
8	Gadhawe Amruta Dattatray	8	62	21	83
9	Sul Apeksha Baburao	9	60	20	80
10	Sapkal Priyanka Suresh	10	64	24	84
11	Jadhav Dipak Anil	11	60	22	82
12	Kurhade Snehal Sanjay	12	64	25	89
13	Dabhade Sanjana Nandukumar	13	64	24	88
14	Shinde Kiran Jagdesh	14	64	25	89
15	Mohite Shivaji Shamrao	15	60	22	82

Date: 2021

**Dr. Manjusha Ingawale**  
Coordinator

**JANATA SHIKSHAN SANSTHA'S**  
**KISAN VEER MAHAVIDYALAYA, WAI**  
**Department of Botany**  
**Certificate Course in Horticulture**

Report

The Department of Botany introduced the CERTIFICATE COURSE IN HORTICULTURE conducted by the DEPARTMENT OF BOTANY from the academic year 2020-2021. In all 15 B. Sc. III Botany students were enrolled for this six-month course conducted from 1<sup>st</sup> December 2020.

Dr. Manjusha Ingawale, Assistant Professor, was the Coordinator for the year 2020-21. Dr. E. B. Bhalerao, Dr. R. R. Vaidya, Mr. A. A. Mokashi engaged classes. Fifteen students out of 15 appeared for the examination and passed it successfully. The course was conducted successfully.

**Dr. Manjusha Ingawale**  
Coordinator

"To Illumine The Pathways Indeed We Have Come"



Janata Shikshan Sanstha's  
**KISAN VEER MAHAVIDYALAYA, WAI**

Short Term Course  
on  
**Horticulture**

Organised By  
**Department of Botany**



**Certificate**

This is to certify that Shri./Smt. \_\_\_\_\_ has successfully  
completed Three months Short Term Course on Horticulture held during, \_\_\_\_\_ at Department of Botany,  
Kisan Veer Mahavidyalaya, Wai, Dist. Satara.

**Head**  
Dept. of Botany

**Dr.C.G.Yeole**  
Principal  
Kisan Veer Mahavidyalaya, Wai