



SPVVS'S

**G.P.PORWAL ARTS, COMMERCE &
V.V. SALIMATH SCIENCE COLLEGE,
SINDGI**



BROCHURE



DEPARTMENT OF BOTANY

**CERTIFICATE COURSE
2021-22**



TITLE: BONSAI TECHNIQUE

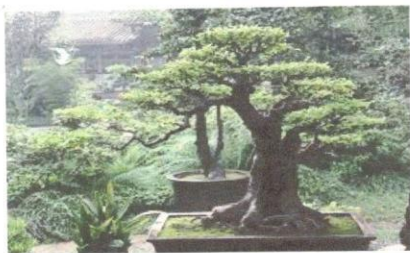
DATE: 08/11/2021 TO 30/12/2021




**HEAD
Dept. of Botany
G.P.P. & V.V.S. College
SINDGI - 586 128**


**Co-ordinator IQAC
G. P. Porwal Arts, Comm & V. V. Salimath
Science College, SINDGI-586128. Dt.Vijayapur**


**Principal,
G. P. Porwal Arts, Comm. &
V. V. Salimath Sc. College,
SINDGI-586128. College Code: 5234**



NAME OF THE COURSE

BONSAI TECHNIQUES

OFFERED BY

DEPARTMENT OF
BOTANY

COURSE CODE

CCBOTBT4

COURSE COORDINATOR

SMT. S.S. MUTTINPENDIMATH
HOD OF BOTANY



[Signature]
HEAD
Dept. of Botany
G.P.P. & V.V.S. College
SINDGI - 586 128

[Signature]
Co-ordinator IQAC
G. P. Porwal Arts, Comm & V. V. Salimath
Science College, SINDGI-586128. Dt:Vijayapur

[Signature]
Principal,
G. P. Porwal Arts, Comm. &
V. V. Salimath Sc. College,
SINDGI-586128. College Code: 5734



S.P.V.V.S'S
G.P.PORWAL ARTS, COMMERCE AND
V.V.SALIMATH SCIENCE COLLEGE,
SINDGI - 586 128
Dist: Vijayapur. Karnataka State

DEPARTMENT OF BOTANY

CERTIFICATE COURSE DETAILS

INSTRUCTIONAL DESIGN

30 HOURS (This course is of Thirty Hrs duration which include Theory and Practical)

ABOUT COLLEGE

G.P.Porwal Arts, Commerce & V.V.Salimath Science College is the first science college in Sindagi Taluk of Vijayapur district which provides education in science stream at U.G. level to the educationally, economically and socially backward students of this Taluk. Since 1988, many students are graduated with B.Sc in Botany is one of the optional subject.

IQAC of G.P.Porwal Arts, Commerce & V.V.Salimath Science College, in its meeting decided to introduce few self financed certificate courses from their academic sessions 2021-22. The continuation of these courses will depend on interest and participation of students.

ELIGIBILITY

All students belonging to V Semester are eligible to enroll for the course

SCOPE OF THE COURSE

The course paves way for Entrepreneurship and career opportunities in State Government Organizations.

OBJECTIVES

- To promote knowledge, interest, education and the enjoyment of bonsai and other living plant materials.
- The objective in bonsai is to stunt the growth of a tree in such a way that its proportions appear to be the same as a full-grown tree, only much smaller.
- Combining both horticultural and artistic skills, regardless of the species, is to create the illusion of fully grown, mature trees in miniature. It involves the bringing of tree and pot together into visual harmony.

BENEFITS OF BONSAI TECHNIQUE

- The miniature plant has many benefits- As air purifier, reduced stress, maintains humidity, develops patience, makes creative, and increases self confidence and self awareness.

COURSE OUTCOMES

- Recognize preliminary techniques about Bonsai.
- Understand the necessary skills to take care maintain a Bonsai plant.
- Apply knowledge on Bonsai cultivation and marketing
- Implement the acquired knowledge on commercial applications of Bonsai.
- Get an overview of the bonsai and its applied aspect at the same time, acquires basic skills and aesthetics needed to create a beautiful bonsai.


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V. V. Salimath Sc. College,
SINDGI-586128. College Code: 52M

COURSE CONTENT

UNIT-I

Introduction, kinds of bonsai, classification based on size and style.

10 Hrs

UNIT-II

Characteristics of the art form and training of bonsai.

10 Hrs

UNIT-III

Requirement for the starting a Bonsai, pruning, pinching, watering, manuring, Pest and disease control.

10 Hrs

BOARD OF STUDIES

- | | | |
|---|---|----------------|
| 1. Prof. Smt. S.S.Muttinpendimath | : | Chairman & HOD |
| 2. Prof. V.V.Jirali | : | Member |
| 3. Prof. Sunil. Natikar | : | Member |
| 4. Prof. S.V.Gurumath
M.V.G.C. College. Muddebihal | : | Member |

THANK YOU


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SINDGI-586128. College Code: 5234



S.P.V.V.S'S

G.P.PORWAL ARTS, COMMERCE AND V.V.SALIMATH SCIENCE

COLLEGE, SINDGI – 586 128 (Dist : Vijayapur. Karnataka State)

Affiliated to Rani Channamma University, Belagavi

Accredited at 'B' Grade (2.42 CGPA) by NAAC

E-mail: gppprincipal@gmail.com Web: www.gppvvs.ac.in Ph: 08488-221244 Mobile : 9611032604

DEPARTMENT OF BOTANY

BONSAI TECHNIQUE CERTIFICATE COURSE

COURSE OUTCOMES

On successful completion of the course, the students will be able to:

- Recognize preliminary techniques about Bonsai.
- Understand the necessary skills to take care and maintain a Bonsai plant.
- Apply knowledge on Bonsai cultivation and marketing.
- Implement the acquired knowledge on commercial applications of Bonsai.
- Get an overview of the art of Bonsai and its applied aspect at the same time .acquires basic skills and aesthetics needed to create a beautiful bonsai.
- Develop an understanding of the importance of bonsai.
- The students will be able to understand the programmes being carried out to conserve species through bonsai techniques.
- Investigate the current status of bonsai.

BONSAI TECHNIQUE COURSE OBJECTIVES

- To know the latest development in the field of Bonsai.
- To develop skills in the area of designing, styles and making of bonsai.
- To identify the wild plants species for bonsai making.
- To select the suitable tools for bonsai making.
- To prepare the bonsai of market value.
- To create knowledge on self employment through and entrepreneur skills.

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DEPARTMENT OF BOTANY

REPORT ON BONSAI TECHNIQUE

Bonsai is the tray planting, it is the Japanese and East Asian art of growing and training miniature trees in containers, developed from the traditional Chinese art for a bonsai is created beginning with a specimen of source material. This may be a cutting, seedling, a tree from the wild or small tree of a species suitable for bonsai development. Bonsai can be created from nearly any perennial woody-stemmed tree or shrub species that produces true branches and can be cultivated to remain small through pot confinement with crown and root pruning. Some species are popular as bonsai material because they have characteristics, such as small leaves or needles that make them appropriate for the compact visual scope of bonsai.



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The source specimen is shaped to be relatively small and to meet the aesthetic standards of bonsai. When the candidate bonsai nears its planned final size, it is planted in a display pot, usually one designed for bonsai display in one of a few accepted shapes and proportions. From that point forward, its growth is restricted by the pot environment. Throughout the year, the bonsai is shaped to limit growth, redistribute foliar vigor to areas requiring further development, and meet the artist's detailed design.

Bonsai uses cultivation techniques like pruning, root reduction, potting, defoliation, and grafting to produce small trees that mimic the shape and style of mature, full-size trees. Pomegranate (*punica granatum*), moyogi style, about 50 years old, at the bonsai museum in Pescia, Italy.

In comparison to other typical trees, a Bonsai tree will require a little more time to mature. You will need to wait 10 to 15 years if you choose to cultivate a Bonsai tree indoors from seeds. If your Bonsai grows slowly and doesn't resemble a Bonsai tree for the first five years, don't be disappointed. Before you can begin pruning or making other modifications to give your Bonsai tree the shape you want, it must be at least four or five years old.

Starting From Seeds

Bonsai seeds do not germinate well, sprout slowly, and are sensitive to changes in temperature, watering schedules, and other factors.

Seedling Stage

The seedlings are still fragile at this stage, and can become leggy due to sudden temperature changes, low nutrient content, and infrequent watering.

Developmental Stage

An older tree will have roots that extend outward from the trunk, and the trunk will be thicker. They need these minerals and nutrients to grow vigorously. A lot of fertilizer should be added during this stage, especially ones that contain more Nitrogen. The ideal ratio would be NPK 10:6:6.

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SINDGI-586128, College Code: 5234

As your baby tree continues to grow, it will require more space. Therefore, you should report your Bonsai to a larger pot so that it has more space to grow and spread its tiny roots. Make sure to choose a pot that has drainage holes in the bottom, and that it is slightly larger than your previous one. This is done by pruning three branches that are closer to the top, but only after the top has reached the desired diameter.

Most Bonsai trees grow in ten to fifteen years, but others can take as long as thirty. Even though that may seem like a long time, keep in mind that a typical Bonsai can survive for hundreds of years if it's kept in good health. It's essential to understand how to trim, fertilize, water, and generally take care of your delicate Bonsai tree so you can give it the best chance of survival.


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Principal,
G. P. Porwal Arts, Comm &
V. V. Salimath Sc. College
SINDGI-586128. College Code: 5234

**G.P.PORWAL ARTS, COMMERCE, AND V.V.SALIMATH SCIENCE
COLLEGE, SINDAGI-586128**

From:
The HOD,
Department of Botany
GPP & VVS College
Sindgi
Date: 27-10-2021

To,
**The Principal,
GPP & VVS College,
Sindgi**

Sub: Permission to start certificate course on "Bonsai Technique"

Respected Sir,

We the faculty members of Botany Department have decided to start Certificate Course on "Bonsai Technique" for B.Sc. V Sem students. Hence, we kindly request you to give the permission to start the Certificate Course for the academic year 2021-22. We hope that the authority will consider the request and oblige.

Place: Sindgi
Date: 27-10-2021

Yours faithfully



HEAD
Dept. of Botany
G.P.P. & V.V.S. College
SINDGI - 586 128



Coordinator IQAC
G. P. PORWAL ARTS, COM. &
V.V.SALIMATH Sc. College,
SINDGI-586128



Chairperson IQAC

S.P.V.V.S.S.
G.P.PORWAL ARTS, COMMERCE AND V.V.SALIMATH SCIENCE COLLEGE
SINDGI - 586 128

Dist: Vijayapur) Affiliated to Rani Channamma University-Belagavi (Karnataka State
Accredited at B (2.42 CGPA) by NAAC
E-mail: gppprincipal@gmail.com Web: www.gppvvs.ac.in Ph: 9611032604

Date: 28/10/2021

Academic Year: 2021-22

To,
The Head,
Department of Botany

Sub: Permission to conduct Certificate Course.

Ref: Your letter dated 27/10/2021

Sir/Madam,

With reference to subject cited above I herewith permit you to
conduct Certificate Course for B.Sc. V semester students.

Thanking you,

Place: Sindgi

Date: 28/10/2021


Coordinator, IQAC


HEAD
Dept. of Botany
G.P.P & V.V.S. College
SINDGI - 586 128


Coordinator IQAC
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V.V.SALIMATH Sc. College,
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Chairperson IQAC

**G.P.PORWAL ARTS, COMMERCE, AND V.V.SALIMATH SCIENCE
COLLEGE, SINDAGI-586128
Department of Botany**

Certificate Course on Bonsai Technique-2021-22

G.P.Porwal Arts, Commerce and V.V.Salimath Science College is the first Science college in **Sindagi** Taluk of Vijayapur district which provides education in Science stream at U.G. level to the educationally, economically, and socially backward students of this taluk. Since 1988, many students are graduated with B.Sc. in Botany, Zoology, Chemistry, Mathematics, Physics and Computer Science.

IQAC of **G.P.Porwal Arts, Commerce and V.V.Salimath Science College** in its meeting decided to introduce few self financed certificate courses from the academic sessions 2021-22. The continuation of these courses after three year will be depend on interest and participation of students, course outcomes and financial provisions from the Institution.

Objectives:

- To promote knowledge, interest, education, and the enjoyment of bonsai and other living plant materials.
- The objective in bonsai is to stunt the growth of a tree in such a way that its proportions appear to be the same as a full-grown tree, only much smaller.
- Combining both horticultural and artistic skills, regardless of the species, is to create the illusion of fully grown, mature trees in miniature. It involves the bringing of tree(s) and pot together into visual harmony.

Instructional Design:-

This course is of three month duration which includes theory and practical classes.

Course Structure and Examination Scheme:-

Course No	Course Name	Theory Classes	Laboratory Experiments	Theory Marks	Practical Marks	Total Marks
01	Bonsai Technique	30hrs	24hrs	50	50	100

Eligibility: All students belonging to V semester are eligible to enroll for the course


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HOD


Chairperson IQAC

**G.P.PORWAL ARTS, COMMERCE, AND V.V.SALIMATH SCIENCE
COLLEGE, SINDAGI-586128
Department of Botany
Certificate Course 2021-22
"BONSAI TECHNIQUE"
SYLLABUS**

Total 30 Hrs

Unit: 1. Introduction, kinds of bonsai, classification based on size and style. 10 Hrs

Unit: 2. Characteristics of the art form and Training of Bonsai. 10 Hrs

Unit: 3. Requirements for starting a Bonsai, Pruning, Pinching, Watering, Manuring . Pests and Disease Control. 10 Hrs

PRACTICAL

1. Selection of suitable species.
2. Shape and size of Bonsai plants.
3. Potting and repotting methods.
4. Watering, manuring and pruning.
5. Pests and diseases control.
6. Maintenance and marketing of bonsai plants

Board of Studies:

- | | |
|---|--------------------|
| 8. Prof.Smt. S.S.Muttinpendimath, | : Chairman and HOD |
| 9. Prof.V.V.Jirali | : Member |
| 10.Prof: Sunil. Natikar | : Member |
| 4. Prof.S .V. Gurumath
M.V.G. C.College.Muddebihal | : Member |


HEAD
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V.V.SALIMATH Sc. College,
SINDGI-586128


Chairperson IQAC

G.P.PORWAL ARTS, COMMERCE, AND V.V.SALIMATH SCIENCE
COLLEGE, SINDAGI-586128

Department of Botany

Notice

It is hereby informed to all the students of B.Sc.
V Semester that Certificate Course on "Bonsai Technique" will
be commencing in our college from 08-11-2021. Hence
interested students may apply on or before 05-11-2021.

HOD

Contact:

Prof.(Smt).S.S.Muttinpendimath

Prof. S.C. Natikar


HEAD
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Chairperson IQAC

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BHASKARACHARYA-II P.G CENTRE SINDGI - 586 128
Affiliated to Rani Channamma University Belagavi (Karnataka State)
Accredited at B (2.42 CGPA) by NAAC



DEPARTMENT OF BOTANY

APPLICATION FORM

1. Name of the course: BSC (CBZ)
2. Year of the Course: 2021-22
3. CLASS: B.Sc V semester

General Information of the Candidate:

Name of the student: Ningaraj R Shivapur

Sex : ☒ Male / ☐ Female

Date of Birth: 15-08-2001

Caste: Hindu Lingayat

Annual Income: 15,000

Permanent Address: Ningaraj Shivapur
Post-Korahadli Ta-Sindgi
D-Vijayapur

DECLARATION

I hereby certify that above information furnished by me is true to the best of my knowledge and belief. I shall regularly attend all theory and practical classes in the college, in case shortage of attendance I may not be permitted to appear for the examination. Further I declare that I shall abide by the rules and regulation of the college and adhere to the discipline.


HEAD
Dept. of Botany
G.P.P. & V.V.S. College
SINDGI - 586 128


Signature of the Candidate


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V.V. SALIMATH Sc. College,
SINDGI-586128


Chairperson IQAC

SPVVSS

G.P. PORWAL ARTS, COMMERCE & V.V. SALIMATH SCIENCE COLLEGE AND

BHASKARACHARYA-II P.G CENTRE SINDGI - 586 128

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DEPARTMENT OF BOTANY

APPLICATION FORM

1. Name of the course: Bonsai Technique

2. Year of the Course: 2018-2019

3. CLASS: B.Sc V semester

General Information of the Candidate:

Name of the student: Sahana S. Pawar

Sex : Male / Female

Date of Birth: 8/7/2001

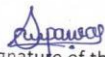
Caste: Sc

Annual Income: 168195

Permanent Address: Kulkarni layout near gunkurpe School
Sindgi

DECLARATION

I hereby certify that above information furnished by me is true to the best of my knowledge and belief. I shall regularly attend all theory and practical classes in the college, in case shortage of attendance I may not be permitted to appear for the examination. Further I declare that I shall abide by the rules and regulation of the college and adhere to the discipline.


Signature of the Candidate


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**G.P.PORWAL ARTS, COMMERCE, AND V.V.SALIMATH SCIENCE
COLLEGE, SINDAGI-586128**
Department of Botany
Certificate Course
THEORY AND PRACTICAL TIME TABLE: 2021-22

DAY	TIME		NAME OF THE FACULTY
	Theory	Practical	
Monday	3.00pm - 4.00pm		Prof.Smt.S.S.Muttinpendimath
Tuesday	3.00pm - 4.00pm		Prof: Sunil. Natikar
Wednesday	3.00pm - 4.00pm		Prof: Sunil. Natikar
Thursday	3.00pm - 4.00pm		Prof.Smt.S.S.Muttinpendimath
Friday		3.00pm - 5.00pm	Prof.V.V.Jirali
Saturday		3.00pm - 5.00pm	Prof: Sunil. Natikar

Date: 05/11/2021

HOD


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G.P.P. & V.V.S. College
SINDGI - 586 128

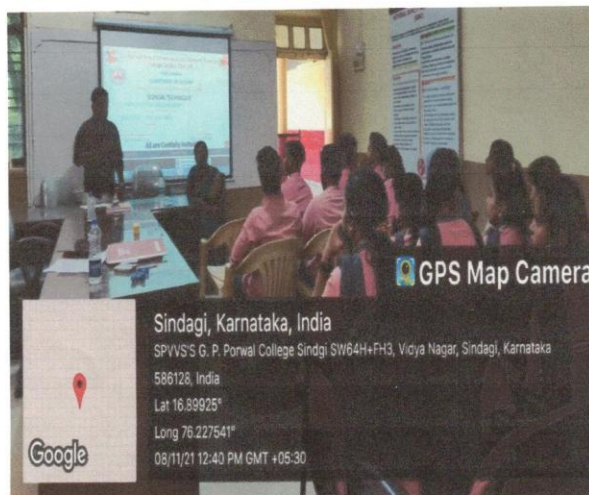

Coordinator IQAC
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V.V.SALIMATH Sc. College,
SINDGI-586128


Chairperson IQAC

2021-22

INAGURATION OF CERTIFICATE COURSE

‘BONSAI TECHNIQUE ‘



[Signature]
HEAD
 Dept. of Botany
 G.P.P. & V.V.S. College
 SINDGI - 586 128

[Signature]
**C. P. PORWAL ARTS, COM &
 V. V. SALIMATH Sc. College,
 SINDGI-586128.**

[Signature]
Principal,
 C. P. Porwal Arts, Comm. &
 V. V. Salimath Sc. College,
 SINDGI-586128. College Code: 5234

2021-22

STUDENTS LEARNING BONSAI TECHNIQUE




HEAD
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Principal,
G. P. Porwal Arts, Comm. &
V. V. Salimath Sc. College,
SINDGI-586128, College Code: 527

2021-22

STUDENTS PREPARING COCO PEAT



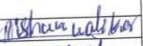
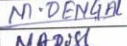
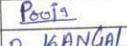
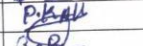
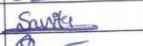
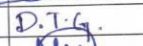
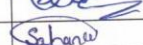

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**G P PORWAL ARTS, COMMERCE AND V. V .SALIMATH SCIENCE
COLLEGE, SINDAGI**
Department of Botany
Certificate Course (Bonsai Technique) 2021-22

STUDENTS ENROLLED FOR CERTIFICATE COURSE

Sl. No	Name of the students	SIGN
1	AISHWARYA WALIKAR	
2	AKASH NAIK	
3	AKSHYKUMAR BAJANTRI	
4	ANIL GUTTEDAR	
5	BHAGYASHREE SULPI	
6	BHIMANNA DESUNAGI	
7	KHANKASHIM	
8	MAHESH DEGINAL	
9	NANDISH HOSAMANI	
10	NIKHIL MARTHUR	
11	POOJA HIREMATH	
12	POORNIMA KANGAL	
13	PRAJWAL MANGALUR	
14	PRATHIBA KALLE	
15	ROOPA .BIRADAR	
16	SAVITHA BIRADAR	
17	SAVITHA SONNAD	
18	SHANKREMA GOBBUR	
19	SHARANBASU HUGAR	
20	SIDRAM PATIL	
21	SIDRAM BASAGI	
22	SNEHA BAJANTRI	
23	DOULATHARY.GOBBUR	
24	NINGARAJ SHIVPUR	
25	RAVI NAIKODI	
26	BHAGYASHREE.KOLI	
27	VIDYASHREE.HUGAR	
28	SAHANA.PAWAR	


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Dept. of Botany
G.P.P. & V.V.S. College
SINDGI - 586 128


Coordinator IOAC
G. P. PORWAL ARTS, COM. &
V.V.SALIMATH Sc. College,
SINDGI-586128

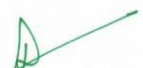
HOD 
Chairperson IQ.

STUDENTS ENROLLED-2021-22

SL.NO	NAME OF THE STUDENT	SIGN
29	PRIYA KULKARNI	
30	ASHA MULLOLLI	
31	PRAVEEN S KADEMANI	
32	KAJALMA MELINMANI	
33	KEDARLINGA GADDAD	
34	LAXMI KALLUR	
35	MALLIKARJUN YALLUR	
36	PADMASHREE BOGAR	
37	POOJA	
38	PRADEEP KODAGI	
39	RANI	
40	ABDULHASAN MASALI	
41	SAVITRI S BIRADAR	
42	SHARANABASU TALAWAR	
43	SUDHARANI	
44	UMAR FARUK J CHOUDHARI	


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Dept. of Botany
G.P.P. & V.V.S. College
SINDGI - 586 128


Co-ordinator IQAC
G. P. Porwal Arts, Comm & V. V. Salimath
Science College, SINDGI-586128. Dt-Vijayapur


Principal,
G. P. Porwal Arts, Comm. &
V. V. Salimath Sc. College,
SINDGI-586128. College Code: 5234

**G.P.PORWAL ARTS, COMMERCE, AND V.V.SALIMATH SCIENCE
COLLEGE, SINDAGI-586128**
Department of Botany
Certificate Course -Bonsai Technique
NOTICE

It is hereby informed to all the students of B.Sc V Sem who have enrolled
for Certificate Course should attend Theory and Practical examination as per the
following Time Table.

Time- Table for Theory and Practical Examination

Sl.No	Date	Time
THEORY	17/01/2022	9.00-11.00am
PRACTICAL	Ist Batch - 20/01/2022	9.00-12.00pm
	IInd Batch - 20/01/2022	1.00 - 4.00pm

Date: 03/01/2022

HOD


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**G.P.PORWAL ARTS, COMMERCE, AND V.V.SALIMATH SCIENCE
COLLEGE, SINDAGI-586128**

Department of Botany
Certificate Course-Bonsai Technique
(B.Sc V Semester) 2021-22

Time: 2 Hrs

Marks: 50

Answer any five of the followings:

10X5=50marks

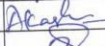
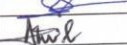
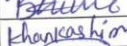
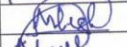
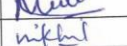
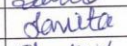
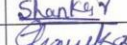
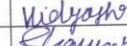
1. Describe the different styles of bonsai?
2. What are the procedures of training bonsai according to different styles?
3. List some plants suitable for bonsai.
4. Mention the different methods of treating pests and the diseases of Bonsai plants.
5. What are the different diseases that are found in Bonsai plants?
6. What are the different types of bonsai?
7. What are the characteristics of bonsai?


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Chairperson IQAC

**G P PORWAL ARTS, COMMERCE AND V. V .SALIMATH SCIENCE
COLLEGE, SINDAGI**
Department of Botany
Certificate Course (Bonsai Technique)
THEORY EXAMINATION ATTENDANCE 2021-22

Sl. No	Name of the students	SIGN
1	AISHWARYA WALIKAR	
2	AKASH NAIK	
3	AKSHYKUMAR BAJANTRI	
4	ANIL GUTTEDAR	
5	BHAGYASHREE SULPI	
6	BHIMANNA DESUNAGI	
7	KHANKASHIM	
8	MAHESH DEGINAL	
9	NANDISH HOSAMANI	
10	NIKHIL MARTHUR	
11	POOJA HIREMATH	
12	POORNIMA KANGAL	
13	PRAJWAL MANGALUR	
14	PRATHIBA KALLE	
15	ROOPA .BIRADAR	
16	SAVITHA BIRADAR	
17	SAVITHA SONNAD	
18	SHANKREMA GOBBUR	
19	SHARANBASU HUGAR	
20	SIDRAM PATIL	
21	SIDRAM BASAGI	
22	SNEHA BAJANTRI	
23	DOULATHARY.GOBBUR	
24	NINGARAJ SHIVPUR	
25	RAVI NAIKODI	
26	BHAGYASHREE.KOLI	
27	VIDYASHREE.HUGAR	
28	SAHANA.PAWAR	


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V.V.SALIMATH Sc. College,


Chairperson IQAC

THEORY EXAMINATION ATTENDANCE -2021-22

SL.NO	NAME OF THE STUDENT	SIGN
29	PRIYA KULKARNI	PA
30	ASHA MULLOLI	AM
31	PRAVEEN S KADEMANI	PK
32	KAJALMA MELINMANI	EM
33	KEDARLINGA GADDAD	KG
34	LAXMI KALLUR	LK
35	MALLIKARJUN YALLUR	MY
36	PADMASHREE BOGAR	PB
37	POOJA	P
38	PRADEEP KOODAGI	PM
39	RANI	R
40	ABDULHASAN MASALI	AM
41	SAVITRI S BIRADAR	SB
42	SHARANABASU TALAWAR	ST
43	SUDHARANI	SD
44	UMAR FARUK J CHODHARI	UF


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Principal,
 G. P. Porwal Arts, Comm. &
 V. V. Salimath Sc. College,
 SINDGI-586128. College Code: 5234

**G P PORWAL ARTS, COMMERCE AND V. V .SALIMATH SCIENCE
COLLEGE, SINDAGI**

Department of Botany

Certificate Course (Bonsai Technique)

PRACTICAL EXAMINATION ATTENDANCE 2021-22

Sl. No	Name of the students	SIGN
1	AISHWARYA WALIKAR	
2	AKASH NAIK	
3	AKSHYKUMAR BAJANTRI	
4	ANIL GUTTEDAR	
5	BHAGYASHREE SULPI	
6	BHIMANNA DESUNAGI	
7	KHANKASHIM	
8	MAHESH DEGINAL	
9	NANDISH HOSAMANI	
10	NIKHIL MARTHUR	
11	POOJA HIREMATH	
12	POORNIMA KANGAL	
13	PRAJWAL MANGALUR	
14	PRATHIBA KALLE	
15	ROOPA .BIRADAR	
16	SAVITHA BIRADAR	
17	SAVITHA SONNAD	
18	SHANKREMMA GOBBUR	
19	SHARANBASU HUGAR	
20	SIDRAM PATIL	
21	SIDRAM BASAGI	
22	SNEHA BAJANTRI	
23	DOULATHARY.GOBBUR	
24	NINGARAJ SHIVPUR	
25	RAVI NAIKODI	
26	BHAGYASHREE.KOLI	
27	VIDYASHREE.HUGAR	
28	SAHANA.PAWAR	

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SINDGI - 586 128

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G. P. PORWAL ARTS, COM. &
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SINDGI-586128

Chairperson IOAC

PRACTICAL EXAMINATION ATTENDANCE -2021-22

SL.NO	NAME OF THE STUDENT	SIGN
29	PRIYA KULKARNI	
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40	ABDULHASAN MASALI	
41	SAVITRI S BIRADAR	
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 SINDGI-586128. College Code: 5234

**G P PORWAL ARTS, COMMERCE AND V. V .SALIMATH SCIENCE
COLLEGE, SINDAGI**

**Department of Botany
Certificate Course (Bonsai Technique) 2021-22
Practical Attendance**

Sl. No	Name of the students	12/11/21	13/11/21	19/11/21	20/11/21	26/11/21	27/11/21	8/12/21
1	AISHWARYA WALIKAR	P	P	P	P	P	P	P
2	AKASH NAIK	P	P	P	P	P	P	P
3	AKSHYKUMAR BAJANTRI	P	P	P	P	P	P	P
4	ANIL GUTTEDAR	P	P	P	P	P	P	P
5	BHAGYASHREE SULPI	P	P	P	P	P	P	P
6	BHIMANNA DESUNAGI	P	P	P	P	P	P	P
7	KHANKASHIM	P	P	P	P	P	P	P
8	MAHESH DEGINAL	P	P	P	P	P	P	P
9	NANDISH HOSAMANI	P	P	P	P	P	P	P
10	NIKHIL MARTHUR	P	P	P	P	P	P	P
11	POOJA HIREMATH	P	P	P	P	P	P	P
12	POORNIMA KANGAL	P	P	P	P	P	P	P
13	PRAJWAL MANGALUR	P	P	P	P	P	P	P
14	PRATHIBA KALLE	P	P	P	P	P	P	P
15	ROOPA .BIRADAR	P	P	P	P	P	P	P
16	SAVITHA BIRADAR	P	P	P	P	P	P	P
17	SAVITHA SONNAD	P	P	P	P	P	P	P
18	SHANKREMA GOBBUR	P	P	P	P	P	P	P
19	SHARANBASU HUGAR	P	P	P	P	P	P	P
20	SIDRAM PATIL	P	P	P	P	P	P	P
21	SIDRAM BASAGI	P	P	P	P	P	P	P
22	SNEHA BAJANTRI	P	P	P	P	P	P	P
23	DOULATHARY.GOBBUR	P	P	P	P	P	P	P
24	NINGARAJ SHIVPUR	P	P	P	P	P	P	P
25	RAVI NAIKODI	P	P	P	P	P	P	P
26	BHAGYASHREE.KOLI	P	P	P	P	P	P	P
27	VIDYASHREE.HUGAR	P	P	P	P	P	P	P
28	SAHANA.PAWAR	P	P	P	P	P	P	P


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SINDGI-586128

HOD


Chairperson IQAC

PRACTICAL ATTENDANCE 2021-22

Sl.No	Name of The Student							
29	PRIYA KULKARNI	P	P	P	P	P	P	PM
30	ASHA MULLOLI	P	A	P	P	P	A	AS
31	PRAVEEN S KADEMANI	P	P	P	A	P	P	PA
32	KAJALMA MELINMANI	P	P	A	P	P	P	KL
33	KEDARLINGA GADDAD	P	P	P	P	A	P	KG
34	LAXMI KALLUR	P	A	P	P	P	P	LU
35	MALLIKARJUN YALLUR	P	P	A	P	P	P	MY
36	PADMASHREE BOGAR	P	P	P	A	P	P	PS
37	POOJA ADAKI	A	P	P	P	P	P	PA
38	PRADEEP KODAGI	P	P	A	P	P	P	PK
39	RANI	P	P	P	P	A	P	RA
40	ABDULHASAN MASALI	P	P	P	A	P	P	AMP
41	SAVITRI S BIRADAR	P	P	P	P	A	P	SB
42	SHARANABASU TALAWAR	P	A	P	P	P	P	ST
43	SUDHARANI	P	P	P	A	P	P	SD
44	UMAR FARUK J CHOUDHARI	P	P	A	P	P	P	UF


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Principal,
G. P. Porwal Arts, Comm. &
V. V. Salimath Sc. College,
SINDGI-586128. College Code: 5234

2021-22

CERTIFICATE COURSE

B.S.C. V SEMESTER

SUBJECT : Botany

No.	RegNo.	StudentName	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1		DOULATHRAY RAVUTAPPA GOBBUR																															
2		KOLI BHAGYASHRI SHRISHAIL																															
3		LAKSHMI KALLUR																															
4		ASHA MULLOLI																															
5		PRAJWAL MANGALUR																															
6		POOJA HIREMATH																															
7		PADMASHREE BOGAR																															
8		NANDEPPA V HOSAMANI																															
9		BHAGYASHREE SULPI																															
10		AISHWARYA WALIKAR																															
11		SAHANA PAWAR																															
12		ROOPA R BIRADAR																															
13		POORNIMA KANGAL																															
14		SAVITA																															

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Dept. of Botany
G.P.P. & V.V.S. College
SINDGI - 586 128

Co-ordinator IQAC

G.P. Porwal Arts, Comm & V.V. Salimath
SINDGI-586128, College Code: 524

Principal,

G. P. Porwal Arts, Comm. &
V. V. Salimath Sc. College,
SINDGI-586128, College Code: 524

Sl. No.	RegNo.	StudentName	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
15	✓	SHARANABASU HUGAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	✓	PRATIBHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	✓	PRAVEEN S KADEMANI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	✓	AKSHAYKUMAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	✓	POOJA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	✓	BHEEMANNA DESUNAGI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	✓	SHANKREMMMA GOBBUR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	✓	SAVITA SONNAD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	✓	SIDRAM BHASAGI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	✓	SNEHA S BAJANTRI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	✓	VIDYASHREE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	✓	PRIYA KULKARNI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	✓	PRADEEP KOODAGI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	✓	RAVI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	✓	KAJALMA MELINMANI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	✓	ANEELAKUMAR GUTTEDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	✓	KEDARLINGA GADDAD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	✓	NINGARAJ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

No.	RegNo.	StudentName	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
33		SHIVAPUR																															
34		NIKIT MARTUR																															
35		KHANAKHASIM MOKASHI																															
36		MALLIKARJUN YALLUR																															
37		UMARFARUQ CHoudari																															
38		SIDRAM BASAPPA PATIL																															
39		SAVITRI S BIRADAR																															
40		AKASH NAIK																															
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42		MAHESH DEGINAL																															
43		RANI																															
44		SUDHARANI SIRASAGI																															

SCM

SCM

HEAD

Dept. of Botany
G.P.P. & V.V.S. College
SINDGI - 586 128

Co-ordinator for IQAC

G. P. Porwal Arts, Comm. & V. V. Salmath
Science College, SINDGI-586128, Dist. Vijayapur

Date 2 of 2

Principal,
Porwal Arts, Comm. &
Salmath Sc. College,
SINDGI-586128, Dist. Vijayapur

2021-22

STUDENT'S NAME	Bhagyashri S. Koli	TOTAL MARKS	20/20
CLASS	5th sem	SUBJECT	Bonsai
ROLL NO.	81928853	DATE	



1. Describe the different styles of Bonsai.
- Formal Upright Style: The trunk line is vertical with the apex located over the center of the trunk base and must taper from base to apex. Each successive branch appears to be shorter than those below it and when the distance between branches decreases as they near the apex.
 - Informal upright style: This style is most popular one in the bonsai. It depicts a tree in nature that has suffered from the elements with a trunk line showing contortion and branches that sag.
 - Broom Style: Broom style bonsai resemble the old trees found along city streets or in orchards. Some broom style have a main trunk line that extends from the base of the trunk to the apex.
 - Full Cascade style: This bonsai style follows the rules of bonsai semi cascade except that cascading line falls below the base of the container. This requires that the bonsai be displayed on stand so that the trunk line can extend as far as it needs to.
 - Semi Cascade style: This style is meant to depict tree hanging from the side of a cliff by the seashore or a stream. The tree grows over the edge of the pot and the trunk bends downward beyond the rim of the container, but not below its base.

STUDENT'S NAME			TOTAL MARKS OBTAINED
CLASS	SUBJECT		
ROLL NO.	DATE		
iii) <u>Wiring Bonsai</u>			
→ Wiring is a very important technique used to train and style Bonsai trees by wrapping wire around the branches of a tree you can bend and reposition the branches to your liking.			
→ List some plants suitable for Bonsai			
→ 1) Japanese maple 10) Ficus benjamina			
2) Bodhi tree 11) Ficus Krishna			
3) Jade 12) Juniper			
4) Dwarf schefflera 13) Chinese elm			
5) Baugmilla			
6) Pachira Bonsai			
7) Manikora			
8) Sapota			
9) Bissiamist			
→ Mention the different methods of styling Bonsai			
→ 1) One the absence of Bonsai plants			
→ Bonsai are aged-looking trunk and branches and weathered looking exposed upper roots			
→ Bonsai techniques allow trees to grow in small containers to survive extremely restricted root and canopy structure and to support compressive repeated styling manipulations			
→ Bonsai has some psychological benefits and they will help you to remove your mental stress.			

STUDENT'S NAME		TOTAL MARKS OBTAINED
CLASS	SUBJECT	
ROLL NO.	DATE	

4. Mention the different method of treating pest and the disease of Bonsai plant

→ using insecticidal soap or spray for Aphids and adelgids.

→ Scales insect can be prevent or killed by using 2% oil based spray or insecticides

→ Juniper bugs are removed by applying 71% alcohol by dipping in it.

→ Red spider mites are also killed by insecticides

→ Pyrethrin spray is used to get rid of twing girdler.

→ Sooty mold is removed by washing or cleaning with wet paper towel.

→ Treating fungus, with lime, sulphur

→ Neem oil can be used for treating powdery mildew, black spot and other fungus.

Coordinator IQAC
G. P. PORWAL ARTS, COM.
V. V. SATHIATH & Co.
SINDH - 586126

Sona Roopa

**G P PORWAL ARTS, COMMERCE AND V. V .SALIMATH SCIENCE
COLLEGE, SINDAGI.**
Department of Botany
Certificate Course (Bonsai Technique)
Statement of marks 2021-22

Sl. No	Name of the students	Class	Theory (50 Mrks)	Practical (50 Mrks)	Remark	SIGN
1	AISHWARYA WALIKAR	B. Sc.V Sem	44	45	Pass	<i>[Signature]</i>
2	AKASH NAIK	B. Sc.V Sem	43	44	Pass	<i>[Signature]</i>
3	AKSHYKUMAR BAJANTRI	B. Sc.V Sem	43	43	Pass	<i>[Signature]</i>
4	ANIL GUTTEDAR	B. Sc.V Sem	44	45	Pass	<i>[Signature]</i>
5	BHAGYASHREE SULPI	B. Sc.V Sem	44	46	Pass	<i>[Signature]</i>
6	BHIMANNA DESUNAGI	B. Sc.V Sem	42	42	Pass	<i>[Signature]</i>
7	KHANKASHIM	B. Sc.V Sem	43	45	Pass	<i>[Signature]</i>
8	MAHESH DEGINAL	B. Sc.V Sem	45	46	Pass	<i>[Signature]</i>
9	NANDISH HOSAMANI	B. Sc.V Sem	45	46	Pass	<i>[Signature]</i>
10	NIKHIL MARTHUR	B. Sc.V Sem	42	42	Pass	<i>[Signature]</i>
11	POOJA HIREMATH	B. Sc.V Sem	45	46	Pass	<i>[Signature]</i>
12	POORNIMA KANGAL	B. Sc.V Sem	46	46	Pass	<i>[Signature]</i>
13	PRAJWAL MANGALUR	B. Sc.V Sem	44	44	Pass	<i>[Signature]</i>
14	PRATHIBA KALLE	B. Sc.V Sem	45	45	Pass	<i>[Signature]</i>
15	ROOPA .BIRADAR	B. Sc.V Sem	46	45	Pass	<i>[Signature]</i>
16	SAVITHA BIRADAR	B. Sc.V Sem	45	46	Pass	<i>[Signature]</i>
17	SAVITHA SONNAD	B. Sc.V Sem	45	46	Pass	<i>[Signature]</i>
18	SHANKREMA GOBBUR	B. Sc.V Sem	46	46	Pass	<i>[Signature]</i>
19	SHARANBASU HUGAR	B. Sc.V Sem	43	43	Pass	<i>[Signature]</i>
20	SIDRAM PATIL	B. Sc.V Sem	46	46	Pass	<i>[Signature]</i>
21	SIDRAM BASAGI	B. Sc.V Sem	42	43	Pass	<i>[Signature]</i>
22	SNEHA BAJANTRI	B. Sc.V Sem	45	44	Pass	<i>[Signature]</i>
23	DOULATHARY.GOBBUR	B. Sc.V Sem	46	46	Pass	<i>[Signature]</i>
24	NINGARAJ SHIVPUR	B. Sc.V Sem	42	43	Pass	<i>[Signature]</i>
25	RAVI NAIKODI	B. Sc.V Sem	44	44	Pass	<i>[Signature]</i>
26	BHAGYASHREE.KOLI	B. Sc.V Sem	44	45	Pass	<i>[Signature]</i>
27	VIDYASHREE.HUGAR	B. Sc.V Sem	45	46	Pass	<i>[Signature]</i>
28	SAHANA.PAWAR	B. Sc.V Sem	45	46	Pass	<i>[Signature]</i>

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[Signature] HOD
Chairperson IOAC

STATEMENT OF MARKS-2021-22

Sl. No	Name Of The Student	B.Sc V sem	Theory (50mrks)	Practical (50mrks)	Remark	Sign
29	PRIYA KULKARNI	B.Sc V sem	42	40	Pass	PA
30	ASHA MULLOLI	B.Sc V sem	43	38	Pass	PA
31	PRAVEEN S KADEMANI	B.Sc V sem	40	39	Pass	PA
32	KAJALMA MELINMANI	B.Sc V sem	38	32	Pass	PA
33	KEDARLINGA GADDAD	B.Sc V sem	39	36	Pass	PA
34	LAXMI KALLUR	B.Sc V sem	32	38	Pass	PA
35	MALLIKARJUN YALLUR	B.Sc V sem	36	39	Pass	PA
36	PADMASHREE BOGAR	B.Sc V sem	38	41	Pass	PA
37	POOJA	B.Sc V sem	39	38	Pass	PA
38	PRADEEP KOODAGI	B.Sc V sem	41	39	Pass	PA
39	RANI	B.Sc V sem	38	42	Pass	PA
40	ABDULHASAN MASALI	B.Sc V sem	39	43	Pass	PA
41	SAVITRI S BIRADAR	B.Sc V sem	32	40	Pass	PA
42	SHARANABASU TALAWAR	B.Sc V sem	36	38	Pass	PA
43	SUDHARANI	B.Sc V sem	38	39	Pass	PA
44	UMAR FARUK J CHOUDHARI	B.Sc V sem	39	32	Pass	PA


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DIST-VIJAYPUR



Rani Channamma



University, Belagavi



PROJECT REPORT

DEPARTMENT: BOTANY -2021-22

DATE: 12/02/2022

NAME:- Sneha. S. Bajantni, Savita Sonnad
SUBJECT: BOTANY I
TITLE OF THE PROJECT : BONSAI TECHNIQUE
CLASS:-BSC 5th SEMESTER
REGISTER NO : 51928954, 51928928
ROLL NO : 106, 105

Sneha Bajantni
SUBMITTED BY *Savita Sonnad*

Valued
12/2/22
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College Roll No: 106,105

University No: 51928954
51928958

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DEPARTMENT OF BOTANY

2021-22

This is Certify that Kumar/Kumari : Sneha. S. Bajantai
Savita. sonhad
5th Semester satisfactorily completed the course of Project
work in Botany paper-I under my supervision, as laid in the
regulation of Rani Channamma University Belagavi.

DATE : 12/02/22

STAFF MEMBER INCHARGE

Coordinator IQAC

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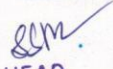
INTRODUCTION :-

Bonsai is the art of growing ornamental, artificially dwarfed varieties of trees and shrubs in pots .

Bonsai is a Japanese version of the original traditional Chinese art - penjing .

Bonsai in Japanese word meaning "tree in a pot " or tree in a tray.




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MAIN IDEA OF BONSAI :-

The ultimate goal of growing a Bonsai is to create a miniaturized but realistic representation of nature in the form of a tree.

Bonsai have long been respected in the ancient art of Feng Shui for their ability to draw life energies into a room, sharing them gladly with all who pass through. As a focus of sight, conversation, and living forces, a Bonsai can quickly spread joy and contentment to all who see it.

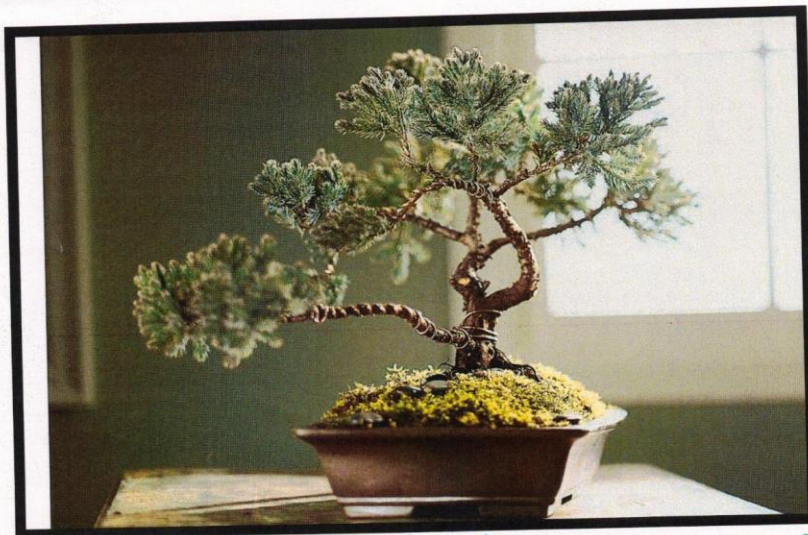

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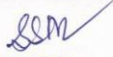
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USES OF BONSAI TREE : (HEALTH & WELLNESS :-

- **Purify air :-** they reduce indoor air pollutants and purify air indoors .
- **Lower stress :-** Active interaction with indoor plants can lead to lower blood pressure and reduce feelings of psychological stress .
- **Maintain humidity :-** reduce occurrence of sore throats coughs & dry skin.




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BONSAI TRAY PREPARATION :-

Preparing tray is an essential step to plant a bonsai .

MATERIALS NEEDED :-

Tray, wire, drainage screen, wire cutters end Bonsai shears.

1st step :- cut the drainage screen, and make a hole in pot to drain out excess water.



Place a small stone piece on holes .


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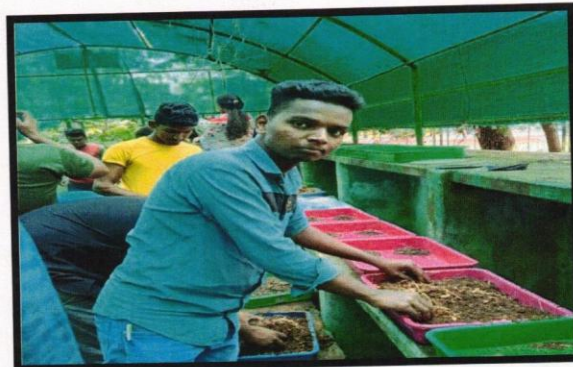
2nd STEP :-

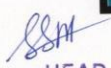
Add some pebbles in the pot and required amount of sand.



3rd STEP :-

Along with this prepare some coco- peat as it helps in holding moisture.




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4th STEP :-

Next add soil along with the fertilizer [Vermin- compost is preferred]
the soil should be neutral pH around 6.5- 7.



5th STEP :-

Take a plant (plant which has stunted growth) treat it with some
growth regulators commonly used is honey (Auxin, gibberlin etc) .



6th STEP :-

Introduce the plant into the tray. (Do, threading if necessary)



Water the plant at frequent intervals and Bonsai is mostly grown in shade and keep it away from direct sunlight.

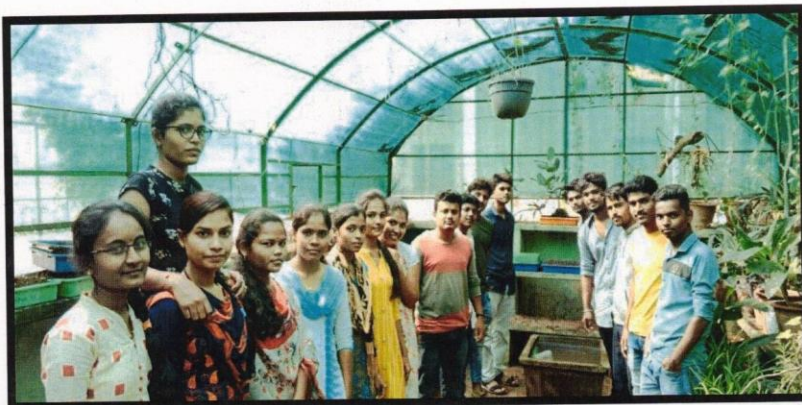
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ECONOMIC IMPORTANCE OF BONSAI:-

- Growing and selling Bonsai is a money making business.
- Any individual can initiate this business with a moderate investment.
- It can be started in small area, A 3-5 year old Bonsai can cost around 75dollors.
- Value of Bonsai plant the depend upon the age of tree .
The older the Bonsai tree the more its value.
- Its maintenance cost is low ,large number of plants can be grown in small area .
- There is more customer demand for the reasonable retail price.
- It helps in conserving the plant species for future generation .We learnt how a tree can be grown in a tray .



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SPVVS'S

**G. P. Porwal Arts, Commerce & V. V. Salimath Science
College, Sindgi- 586 128**

Dist: Vijayapur

State: Karnataka

(Accredited 'B' Grade by NAAC)

(Affiliated to Rani Channamma University, Belagavi)

IQAC Initiative

CERTIFICATE

This is to certify that Kumar/ Kumari.....
of B.Sc V SEM has successfully completed Certificate Course on "BONSAI
TECHNIQUE" conducted by department of BOTANY during the academic year 2021-22.

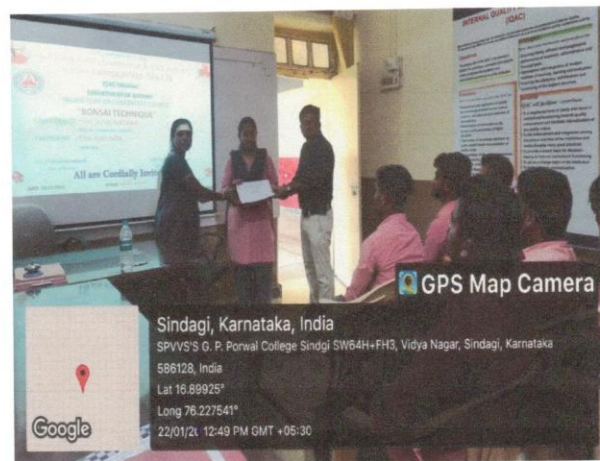
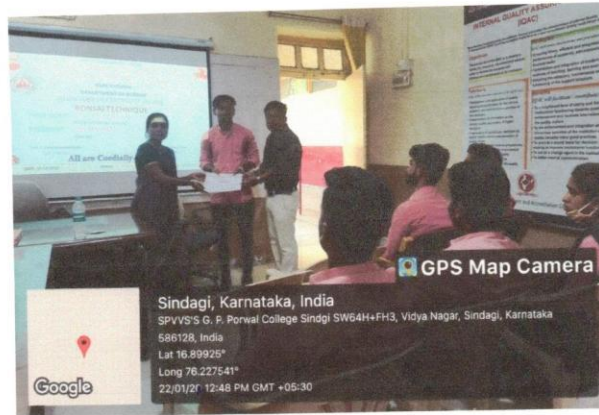
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2021-22

**VALIDICTORY FUNCTION AND CERTIFICATE DISTRIBUTION OF
CERTIFICATE COURSE BONSAI TECHNIQUE**




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