

Best Practice -01



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

BEST PRACTICE - 01

Title of the Practice: **GREENARY INITIATIVES**

Objective of the Practice:

- To support sustainable and develop eco friendly environment.
- To educate students on importance of Greenery environment.
- To conserve and maintain the tree for better air quality.
- To regulate energy use and emission waste.
- To conduct collaborative activities with the Forest Department for promotional activities at the neighborhood community.
- To use of sustainable energy and energy efficient measures, comprehensive recycling and composting and green landscaping in the campus.
- To educate students about the identification of nomenclature of plants and trees.
- To maintain the campus with utmost clean, neat and conducive atmosphere.
- To achieve multiple socio-environmental objectives for advancing sustainability.
- To nurture biodiversity and restore ecosystems.

The Context:

The place Sindagi Taluka is a semi irrigated land. With the help of Social Forestry and Regular Forestry department, Govt.of Karnataka, Sindagi regularly associated with higher education Institutions to promote greenery initiatives at the neighborhood community and also encouraged every educational setup to develop the greenery atmosphere so as to develop eco system. Our college is surrounded with 25.9 acres of land with the built up area of 16008 sq.mtrs. Majority of the students enrolled are belonging to agricultural background and rural belt. Sindagi Taluk is comparatively drier. Annual variation in rainfall is substantial. However, our college campus is surrounded with 3 bore well with sufficient flow of water, development of rain water harvesting unit, etc. Keeping all these in view, the Department of Botany has taken a

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

1

Principal,
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SINDGI-586128. College Code: 5234



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lead to develop the Botanical Garden, vermin compost pit, educate students and staff about the proper usage of alternate energy sources. The Department of Botany along with other staff actively taken role along with students' community to beautify the campus with sufficient trees and plants to develop the eco friendly atmosphere and also to attract good number of birds into the campus garden.

The Practice:

- Introduced certificate course on, "Bonsai Technique", educating students on planting trees on tray. Conducted in 3 batches comprising of 650 students in each batch.
- In association with Hi Tech Nursery Unit, Babaleswar college has introduced a certificate course on, "Nursery and Gardening" with the duration of 2½ month. They provide plants and educate students the method of sapling. The course aims at educating the students about the planting processes. The course is specifically designed for Botany students. 02 batches comprising of 40 each has completed this course with utmost successful.
- In association with Social Forestry, Govt.of Karnataka supplied more than 50 saplings at the neighborhood community.
- Our NCC students have supplied trees in different villages of the Sindagi Taluka and also educated the localities about the importance of greenery.
- Developed the greenery atmosphere at the ladies hostel with sufficient differing fruit yielding trees with the surrounding places of ladies hostel.
- Educated students about identification of plants and accordingly QR code are attached to every plants and trees within the campus premises.
- Conducted a special workshop on method of generating QR code to students and staff.


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- Developed the rain water harvesting unit to increase the ground water level.
- Installed the On-grid solar panel which supports the Physics laboratory and Office Administration for more than 4 hours.
- Students are regularly oriented on Greenery initiatives during class hours, special events and gathering. College has framed Green Policy and placed at the prominent places of the campus.
- College has established Waste Water Treatment Plant; the recycled water is optimally utilized for the maintenance of gardening.
- College has installed 15KV solar grid in the ladies hostel. The excess of electricity generated is supplied to HESCOM, Govt.of Karnataka, Sindagi.
- The Gardener along with the Department of Botany and students regularly takes care of the garden.
- Batch wise students are encouraged to work in the garden along with NSS, NCC, YRC, Women Empowerment Cell volunteers during their free hours atleast 1 hours in a week.
- Developed the Green House covered with green color shed net. It is maintained for shed loving plants.
- Invited regularly experts and external gardener to deliver special lecture on Greenery Initiatives.
- Mounted LED bulbs at all the class rooms, statutory points and other facilities.
- College has educated every student about the maintenance of garden and also keeping the campus neat, clean and also encourage them to actively involved in various extension activities on Greenery initiatives with and outside the campus premises on regular intervals.


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V. V. Salimath Sc. College
SINDGI-586128. College Code: 5234



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Evidence of Success

- After the completion of certificate course on “Bonsai Technique”, more than 100 students have started their own entrepreneurship within and outside Sindagi Taluka.
- After the completion of certificate course on, “Nursery and Gardening” with the duration of 2½ month, which has nurtured students participants to develop Nursery independently. Based on the collection of data, 25 outgoing students have started their entrepreneurship in this area of Nursery and Gardening.
- With the installation of solar grid within the hostel premises, college is getting saved more than Rs.60,000/- on electricity bill.
- With the installation of Waste Water Treatment Plant reduced maximum foul smell and reduce the growth of mosquitos, which also enabled the plants to grow effectively.
- Conducted Green, Environment and Energy Audit from the competent agencies and identified that college is surrounded with sufficiency greenery atmosphere.
- College has got certificate from Ministry of Human Resource Development, Department of Mahatma Gandhi National Council of Rural Education, Govt.of India has conferred “District Green Champion Award” in the year 2021-22.
- The campus is surrounded with sufficient trees and plants and attracted birds into the campus.
- The oxygen production has increased sufficiently with fresh air.
- College campus has now visible with home numerous fauns and flora.
- More than 10 students have got placed at the Department of Forest Department and 01 student is DRFO, Govt. Of Karnataka.


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Problems Encountered and Resources Required

Following are some of the challenges faced by the college for the development of green atmosphere within the campus –

- During drought hit situation, for the maintenance of garden, college had to purchase water tanker, which has become cost effectiveness to the Institution.
- Initially students were reluctant to come forward and gradually they started understand the importance of greenery atmosphere.
- Additional expenditure for the maintenance of greenery atmosphere as college had to hire additional security guard and salary to the gardener.


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SPVVS'S

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



BROCHURE



DEPARTMENT OF BOTANY

**CERTIFICATE COURSE
2022-23**



TITLE: NURSERY AND GARDENING

DATE: 17/11/2022 TO 10/01/2023



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

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Science College, SINDGI-586128. Dt: Vijayapur**

SPM
**Principal,
G. P. Porwal Arts, Comm. &
V. V. Salimath Sc. College,
SINDGI-586128. College Code: 5734**



NAME OF THE COURSE

NURSERY AND GARDENING

OFFERED BY

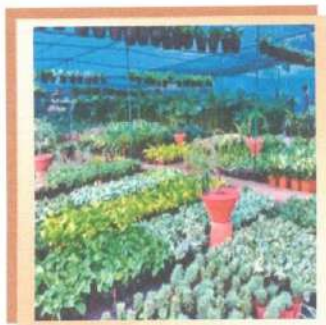
DEPARTMENT OF
BOTANY

COURSE CODE

CCBOTNG1

COURSE COORDINATOR

SMT. S.S. MUTTINPENDIMATH
HOD OF BOTANY DEPT



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



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**G.P.PORWAL ARTS, COMMERCE AND
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SINDGI - 586 128
Dist: Vijayapur. Karnataka State

DEPARTMENT OF BOTANY

CERTIFICATE COURSE DETAILS

INSTRUCTIONAL DESIGN

30 HOURS (This course is of Thirty hours 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 .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 the academic sessions 2022-23. The continuation of these courses will depend on interest and participation of students.

S.M.
Co-ordinator IQAC
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[Signature]
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ELIGIBILITY

Students of 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

- The main objective of the nursery is to grow in an open environment, maintain a good quality of plants and protect the plants from pests and diseases
- It was the responsibility of the commercial nursery growers to develop good quality of plants for their customers.
- The best method for introduction of exotics, tropical Pines, Poplars Eucalyptus etc. is only by, planting and therefore nursery is very essential for them.
- Planting of nursery grown plants is the surest method of artificial regeneration on poor and barren sites

BENEFITS OF NURSERY AND GARDENING

- Helps fight disease ,strength, Improves, Boosts, Reduces
- Helps addiction recovery, Fosters human connections, Heals and empowers
- Combats ecoanxiety

COURSE OUTCOMES

- Students will understand how to propagate, plant ,grow/manage and harvest vegetable ,fruit and nut crops
- Students will be able to identify soil types and how they are formed and ways to modify soil structure and drainage to reduce erosion and improve water quality and water availability to plants.


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- It provides theoretical base for nursery management and plant propagation practices like cutting, budding, layering, grafting training and pruning.

COURSE CONTENT

UNIT-I

15 Hrs

Introduction, Nursery Techniques, Seed storage, Seed Testing
Hardening of plants, Vegetative propagation, Green house and glass house.

UNIT-II

10 Hrs

Gardening: Types, Gardening operations Raising of seeds and seedlings

BOARD OF STUDIES

- | | | | |
|---|-----------|---|----------------|
| 1. Prof.D.M.Patil | Principal | : | Chairman |
| 2. Prof. Smt. S.S.Muttinpendimath | HOD | : | Co-coordinator |
| 3. Shri.Mittesaib Mulla | DRFO | : | Member |
| Regional social forestry Bableshwar
Hitech Nursery ,Sindgi | | | |
| 4. Prof.Parwati .Biradar | | : | Member |
| Govt.First Grade College ,Vijayapur | | | |
| 5. Prof.Miss.Jyoti. P.Angadi | | : | Member |

THANK YOU


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Date

Ref. No.

DEPARTMENT OF BOTANY

Academic year-2022-23

Date: 10-11-2022

To,
The Coordinator,
IQAC

Sub: Request for permission to start certificate course on
"Nursery and Gardening"

Respected Sir,

We the faculty members of Department of Botany have decided to start Certificate course on "Nursery and Gardening" for B.Sc. V Sem students. Hence, we kindly request you to please give the permission to start the Certificate course for the academic year 2022-23. We hope that the authority will consider the request and oblige.

Place: Sindgi
Date: 10-11-2022

Yours faithfully

SSM

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

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

[Signature]
Principal,
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Academic Year: 2022-23

Date: 12/11/2022

To,
Head,
Department of Botany

Sub: Permission to conduct certificate course
Ref: Your letter dated on 10/11/22

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: 12/11/22

Coordinator, IQAC

Co-ordinator IQAC

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

HEAD
Dept. of Botany
G.P.P. & V.V.S. College
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Principal,
G. P. Porwal Arts, Comm. &
V. V. Salimath Sc. College,
SINDGI-586128, College Code: 5224



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Ref. No.

Date

Department of Botany

Academic Year: 2022-23

Certificate Course: Nursery and Gardening- 2022-23

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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 2022-23. 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: A nursery is a place where plants are grown for transplanting, for use as stock for budding and grafting, or for sale. Commercial nurseries produce and distribute woody and herbaceous plants, including ornamental trees, shrubs and bulb crops.

- To promote knowledge, interest, education and the enjoyment of gardening and nursery.
- The main objective of good nursery management is to supply elite planting material of the highest possible quality for establishment of new orchards. Combining both horticultural and artistic skills. It involves the bringing of tree(s) and pot together into visual harmony.
- The main objective of the nursery is to grow plants in an open environment ,maintain a good quality of plants and protect the plants from pests.

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	Nursery and Gardening	30hrs	240hrs	50	50	100

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


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Date : 12/11/2022

Ref. No.:.....

Ref. No.:2022-23.

To
Prof.Parvati .Biradar
Asst.Professor
Department of Botany
Govt.First Grade College
Vijayapur.

Dear Madam,

Subject: Regarding appointment as BOS member

With reference to the above cited subject, I feel happy to inform that you have been appointed as BOS Member for Certificate Course "Nursery and Gardening" introduced by Department of Botany for the academic year 2022-23. Kindly accept the same and do the needful.

Thanking You


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Department of Botany


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


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Ref. No.:.....

Date :

DEPARTMENT OF BOTANY
CERTIFICATE COURSE FOR B.Sc V SEMESTER STUDENTS
SUBJECT: NURSERY AND GARDENING
MEMBERS OF BOARD OF STUDIES

SL.NO.	BOS MEMBERS
1	PROF.D.M.PATIL PRINCIPAL
2	SHRI.MITTESAIB MULLA DRFO REGIONAL SOCIAL FORESTRY BABLESHWAR HITECH NURSERY,SINDGI TALUK
3	PROF.PARVATI.BIRADAR GOVT.FIRST GRADE COLLEGE VIJAYAPUR
4	PROF.SMT.S.S.MUTTINPENDIMATH
5	PROF.MISS.JYOTI.P.ANGADI

Department of Botany

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Science College, SINDGI-586128. Dt:Vijayapur

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Date

Ref. No.

Department of Botany

Academic Year: 2022-23

Notice

It is hereby informed to all the students of V semester that the certificate course on Nursery and gardening will be commencing in our college from 17/11/2022. Hence interested students may apply on or before 15/11/2022.

Contact:

Prof.Smt S.S.Muttinpendimath

Prof.Miss.Jyoti.Angadi


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

HOD

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2022-23

INAGURATION OF CERTIFICATE COURSE "NURSERY AND GARDENING"



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COLLEGE, SINDAGI-586128**

DEPARTMENT OF BOTANY

Application form

1. Name of the course: Nursery and Gardening
2. Year of the Course: 2022 - 2023
3. CLASS: B.Sc V semester

General Information of the Candidate

Name of the student:

Sex:

Date of Birth:

Mob number:

Caste:

Annual Income:

Permanent Address:

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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Chairperson IQAC

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COLLEGE, SINDAGI-586128**

Department of Botany

Syllabus

Certificate Course On Nursery and Gardening -2022-23

Unit 1: Nursery: Definition, objectives and scope, building up of infrastructure for nursery, planning and seasonal activities. Planting, direct seeding and transplants. Seed: Structure and types. Seed dormancy; causes and methods of breaking dormancy
Seed storage: Seed banks, factors affecting seed viability, genetic erosion, Seed production technology, seed testing and certification.
Vegetative propagation: Air layering, cutting, selection of cutting, collecting, season, treatment of cutting, rooting medium and planting of cuttings. Hardening of plants, green house, mist chamber, shed root, shade house and glass house. 15 hours

Unit2: Gardening: Definition, objectives and scope. Different types of gardening: Landscape and home gardening, parks and its components. Plant materials and design. Computer applications in landscaping.
Gardening operations: soil laying, manuring, watering, management of pests and diseases and harvesting.
Sowing/raising of seeds and seedlings - Transplanting of seedlings: Study of cultivation of different vegetables: cabbage, brinjal, lady's finger, onion, garlic, tomatoes, and carrots-Storage and marketing procedures. 15 hours

Practical Syllabus

Certificate Course On Nursery and Gardening -2022-23

1. Preparation of soil for nursery
2. Seed structure, seed dormancy and breaking
3. Vegetative propagation
4. Types of green houses
5. Seed sowing/raising of seeds and seedlings


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SINDAGI-586128

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Department of Botany

Notice

It is hereby informed to all the students of B.Sc.
V Semester that Certificate Course on Nursery and Gardening
will be commencing in our college from 1/12/2022. Hence
interested students may apply on or before 28 / 11 /2022.


HOD

Contact:

Prof. (Smt).S.S.Muttinpendimath

Prof. Jyoti Angadi


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


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


Principal,
G.P.Porwal Arts, Comm. &
V V.Salimath Sc. College
& P. G. Centre, SINDAGI

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

Department of Botany
Certificate Course-Nursery and Gardening
THEORY AND PRACTICAL TIME TABLE: 2022-23

DAY	TIME		NAME OF THE FACULTY
	Theory	Practical	
Monday	3.00pm - 4.00pm		Prof.Smt.S.S.Muttinpendimath
Tuesday	3.00pm - 4.00pm		Prof.Smt.S.S.Muttinpendimath
Wednesday	3.00pm - 4.00pm		Prof: Jyoti Angadi
Thursday	3.00pm - 4.00pm		Prof:Jyoti Angadi
Friday		2.00pm - 5.00pm	3. Prof: Smt.S.S.Muttinpendimath
Saturday		2.00pm - 5.00pm	4. Prof: Jyoti Angadi

Date: 28 / 11 /2023


HOD


Coordinator IQAC

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& P. G. Centre, SINDAGI

G P PORWAL ARTS, COMMERCE AND V. V. SALIMATH SCIENCE
COLLEGE, SINDAGI
Department of Botany
B Sc V SEM

List of students enrolled to Nursery and gardening
Certificate Course 2022-23

Sl No.	Reg.No	Name of the Student
1	S2032402	AISHWARYA S HIREMATH
2	S2032407	AKSHAYKUMAR ANGADI
3	S2032408	AMBIKA
4	S2032410	ANIL PARAMANAND
5	S2032414	ARUNA TEGGELLI
6	S2032420	BHAGYA BIRADAR
7	S2032422	BHAGYASHREE ANAGOND
8	S2032430	BHAGYASHREE HATTARAKI
9	S2032434	BIBIALISHA S JUMNAL
10	S2032450	KASHIMSAB KHARJAGI
11	S2032454	KEERTI G TARAPUR
12	S2032466	NADAF NAJIYA BABULAL
13	S2032467	NAGESH T RATHOD
14	S2032470	NELAMMA S MARASANALLI
15	S2032473	PAVANKUMAR KANNOLLI
16	S2032474	PAVITRA MAKASI
17	S2032485	PRIYADARSHINI SURPUR
18	S2032487	RADHIKA P KULAKARNI
19	S2032490	RAJESHWARI
20	S2032492	RANAJEET I CHAVHAN
21	S2032494	RAVITEJ PATIL

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Coordinator IQAC
G. P. PORWAL ARTS, COM. &

Principal,
G. P. Porwal Arts, Comm. &
V. V. Salimath Sc. College,
SINDGI-586128, Cellphone Code: 9334

22	S2032500	SAGAR
23	S2032503	SANA U HARASAGUNDAGI
24	S2032509	SANTOSH S KADAGAL
25	S2032515	SHANTAGOUDA
26	S2032516	SHARANABASU C ARALAGUNDAGI
27	S2032517	SHARAT G SURYAVANSHI
28	S2032521	SHIVARAJKUMAR
29	S2016277	SHREELAKSHMI B KALLUR
30	S2032526	SHWETA DEVANAGAV
31	S2032528	SIDDAMMA P WALIKAR
32	S2032537	SUHANA H
33	S2032541	SWATI S HARNAL
34	S2032550	VISHAL
35	S2032406	AKSHAY ANOOR.
36	S2032512	SHAILA DODAMANI
37	S2016277	SHREELAXMI KALLUR.

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Coordinator IQAC
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**G.P.PORWAL ARTS, COMMERCE, AND V.V.SALIMATH SCIENCE
COLLEGE, SINDAGI-586128**
Department of Botany
Certificate Course –Nursery and Gardening

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	27/ 1 /2023	9.00-11.00am
PRACTICAL	Ist Batch - 30 / 1 /2023	9.00-12.00pm
	IInd Batch - 30 /1 /2023	1.00 - 4.00pm

Date: 21 / 1 /2023

SCM
HOD

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

SCM
HEAD
Dept. of Botany
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SINDAGI - 586 128

D
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G.P.Porwal Arts, Comm. &
V.V.Salimath Sc. College
& P. G. Centre, SINDAGI

2022-23

STUDENT'S VISIT TO BABLESHWAR NURSERY



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SINDGI - 586128

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

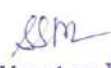
scm
Principal,
G. P. Porwal Arts, Comm. &
V. V. Salimath Sc. College,
SINDGI-586128, College Code: 5312

2022-23

STUDENTS INVOLVED IN COLLECTION OF SOIL




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.


Principal,
G. P. Porwal Arts, Comm. &
V. V. Salimath Sc. College,
SINDGI-586128, College Code-586

2022-23

STUDENTS INVOLVED IN POTTING THE SAPLINGS



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

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

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-Nursery and Gardening
(B.Sc V Semester) 2022-23

QUESTION PAPER

Time: 2 Hrs

Max. Marks: 50

Answer any five of the followings:

10X5=50marks

1. Describe the objectives of Nursery.
2. Describe the process of sowing.
3. Describe the classification of Nurseries.
4. Describe the uses of green house for Nursery production.
5. Describe the process of pricking and Mention the important Components of Nursery.
6. Describe the vegetative propagation through Cutting, Grafting, Layering and Budding.


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Principal
G.P.Porwal Arts, Comm.
V.V.Salimath Sc. College
& P. G. Centre, SINDAGI

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

Department of Botany

Certificate Course –Nursery and Gardening

THEORY EXAMINATION ATTENDANCE 2022-23

Sl.No	Reg.No	Name of the students	SIGN
1	S2032402	AISHWARYA S HIREMATH	<i>Ash</i>
2	S2032407	AKSHAYKUMAR ANGADI	<i>AK</i>
3	S2032408	AMBIKA	<i>AB</i>
4	S2032410	ANIL PARAMANAND	<i>Anil</i>
5	S2032414	ARUNA TEGGELLI	<i>Aruna</i>
6	S2032420	BHAGYA BIRADAR	<i>Biradar</i>
7	S2032422	BHAGYASHREE ANAGOND	<i>Anagond</i>
8	S2032430	BHAGYASHREE HATTARAKI	<i>B.S.H</i>
9	S2032434	BIBIALISHA S JUMNAL	<i>BJ</i>
10	S2032450	KASHIMSAB KHARJAGI	<i>KK</i>
11	S2032454	KEERTI G TARAPUR	<i>Keerti</i>
12	S2032466	NADAF NAJIAYA BABULAL	<i>Nadaf</i>
13	S2032467	NAGESH T RATHOD	<i>Nathod</i>
14	S2032470	NELAMMA S MARASANALLI	<i>Nelamma</i>
15	S2032473	PAVANKUMAR KANNOLLI	<i>Pav</i>
16	S2032474	PAVITRA MAKASI	<i>Pavitra</i>
17	S2032485	PRIYADARSHINI SURPUR	<i>Priya</i>
18	S2032487	RADHIKA P KULAKARNI	<i>Radhi</i>
19	S2032490	RAJESHWARI	<i>Rajesh</i>
20	S2032492	RANAJEET I CHAVHAN	<i>Ranaj</i>
21	S2032494	RAVITEJ PATIL	<i>Ravitej</i>
22	S2032500	SAGAR	<i>Sagar</i>
23	S2032503	SANA U HARASAGUNDAGI	<i>Sana</i>
24	S2032509	SANTOSH S KADAGAL	<i>Santosh</i>
25	S2032515	SHANTAGOUDA	<i>Shanta</i>
26	S2032516	SHARANABASU C ARALAGUNDAGI	<i>Sharan</i>
27	S2032517	SHARAT G SURYAVANSHI	<i>Sharat</i>
28	S2032521	SHIVARAJKUMAR	<i>Shivraj</i>
29	S2016277	SHREELAKSHMI B KALLUR	<i>Shreela</i>
30	S2032526	SHWETA DEVANAGAV	<i>Shweta</i>
31	S2032528	SIDDAMMA P WALIKAR	<i>Siddam</i>
32	S2032537	SUHANA H	<i>Suham</i>
33	S2032541	SWATI S HARNAL	<i>Swati</i>
34	S2032550	VISHAL	<i>Vishal</i>
35	S2032406	AKSHAY ANGOR	<i>Akshay</i>
36	S2032512	CHAILA DODAMANI	<i>Chaila</i>
37	S2016277	SHREELAKSHMI KALLUR	<i>Shreela</i>

Principal,

**G.P.Porwal Arts, Comm. &
V.V.Salimath Sc. College
& P. G. Centre, SINDAGI**

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

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

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

Department of Botany

Certificate Course –Nursery and Gardening

THEORY EXAMINATION ATTENDANCE 2022-23

Sl.No	Reg.No	Name of the students	SIGN
1	S2032402	AISHWARYA S HIREMATH	<i>[Signature]</i>
2	S2032407	AKSHAYKUMAR ANGADI	<i>[Signature]</i>
3	S2032408	AMBIKA	<i>[Signature]</i>
4	S2032410	ANIL PARAMANAND	<i>[Signature]</i>
5	S2032414	ARUNA TEGGELLI	<i>[Signature]</i>
6	S2032420	BHAGYA BIRADAR	<i>[Signature]</i>
7	S2032422	BHAGYASHREE ANAGOND	<i>[Signature]</i>
8	S2032430	BHAGYASHREE HATTARAKI	<i>[Signature]</i>
9	S2032434	BIBIALISHA S JUMNAL	<i>[Signature]</i>
10	S2032450	KASHIMSAB KHARJAGI	<i>[Signature]</i>
11	S2032454	KEERTI G TARAPUR	<i>[Signature]</i>
12	S2032466	NADAF NAJIAYA BABULAL	<i>[Signature]</i>
13	S2032467	NAGESH T RATHOD	<i>[Signature]</i>
14	S2032470	NELAMMA S MARASANALLI	<i>[Signature]</i>
15	S2032473	PAVANKUMAR KANNOLLI	<i>[Signature]</i>
16	S2032474	PAVITRA MAKASI	<i>[Signature]</i>
17	S2032485	PRIYADARSHINI SURPUR	<i>[Signature]</i>
18	S2032487	RADHIKA P KULAKARNI	<i>[Signature]</i>
19	S2032490	RAJESHWARI	<i>[Signature]</i>
20	S2032492	RANAJEET I CHAVHAN	<i>[Signature]</i>
21	S2032494	RAVITEJ PATIL	<i>[Signature]</i>
22	S2032500	SAGAR	<i>[Signature]</i>
23	S2032503	SANA U HARASAGUNDAGI	<i>[Signature]</i>
24	S2032509	SANTOSH S KADAGAL	<i>[Signature]</i>
25	S2032515	SHANTAGOUDA	<i>[Signature]</i>
26	S2032516	SHARANABASU C ARALAGUNDAGI	<i>[Signature]</i>
27	S2032517	SHARAT G SURYAVANSHI	<i>[Signature]</i>
28	S2032521	SHIVARAJKUMAR	<i>[Signature]</i>
29	S2016277	SHREELAKSHMI B KALLUR	<i>[Signature]</i>
30	S2032526	SHWETA DEVANAGAV	<i>[Signature]</i>
31	S2032528	SIDDAMMA P WALIKAR	<i>[Signature]</i>
32	S2032537	SUHAN H	<i>[Signature]</i>
33	S2032541	SWATI S HARNAL	<i>[Signature]</i>
34	S2032550	VISHAL	<i>[Signature]</i>
35	S2032406	AKSHAY ANDUR	<i>[Signature]</i>
36	S2032512	SHAILA DODAMANI	<i>[Signature]</i>
37	S2016277	SHREELAXMI KALLUR	<i>[Signature]</i>

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

Chairperson IQAC

Coordinator IQAC
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V.V.SALIMATH Sc. College,
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**G P PORWAL ARTS, COMMERCE AND V. V. SALIMATH SCIENCE
COLLEGE, SINDAGI**

**Department of Botany
Certificate Course –Nursery and Gardening
PRACTICAL EXAMINATION ATTENDANCE 2022-23**

SL.No	Reg.No	Name of the students	SIGN
1	S2032402	AISHWARYA S HIREMATH	<i>Aish</i>
2	S2032407	AKSHAYKUMAR ANGADI	<i>Angadi</i>
3	S2032408	AMBIKA	<i>Ambika</i>
4	S2032410	ANIL PARAMANAND	<i>Anil</i>
5	S2032414	ARUNA TEGGELLI	<i>Aruna</i>
6	S2032420	BHAGYA BIRADAR	<i>Biradar</i>
7	S2032422	BHAGYASHREE ANAGOND	<i>Bhagya</i>
8	S2032430	BHAGYASHREE HATTARAKI	<i>Bhagya</i>
9	S2032434	BIBIALISHA S JUMNAL	<i>Bibisha</i>
10	S2032450	KASHIMSAB KHARJAGI	<i>Kashim</i>
11	S2032454	KEERTI G TARAPUR	<i>Keerti</i>
12	S2032466	NADAF NAJIAYA BABULAL	<i>Nadaf</i>
13	S2032467	NAGESH T RATHOD	<i>Nagesh</i>
14	S2032470	NELAMMA S MARASANALLI	<i>Nelamma</i>
15	S2032473	PAVANKUMAR KANNOLLI	<i>Pavankumar</i>
16	S2032474	PAVITRA MAKASI	<i>Pavitra</i>
17	S2032485	PRIYADARSHINI SURPUR	<i>Priyadarshini</i>
18	S2032487	RADHIKA P KULAKARNI	<i>Radhika</i>
19	S2032490	RAJESHWARI	<i>Rajeshwari</i>
20	S2032492	RANAJEET I CHAVHAN	<i>Ranjeet</i>
21	S2032494	RAVITEJ PATIL	<i>Ravitej</i>
22	S2032500	SAGAR	<i>Sagar</i>
23	S2032503	SANA U HARASAGUNDAGI	<i>Sana</i>
24	S2032509	SANTOSH S KADAGAL	<i>Santosh</i>
25	S2032515	SHANTAGOUDA	<i>Shantagouda</i>
26	S2032516	SHARANABASU C ARALAGUNDAGI	<i>Sharanabasu</i>
27	S2032517	SHARAT G SURYAVANSHI	<i>Sharat</i>
28	S2032521	SHIVARAJKUMAR	<i>Shivaraj</i>
29	S2016277	SHREELAKSHMI B KALLUR	<i>Shreelakshmi</i>
30	S2032526	SHWETA DEVANAGAV	<i>Shweta</i>
31	S2032528	SIDDAMMA P WALIKAR	<i>Siddamma</i>
32	S2032537	SUHANA H	<i>Suhana</i>
33	S2032541	SWATI S HARNAL	<i>Swati</i>
34	S2032550	VISHAL	<i>Vishal</i>
35	S2032554	AKSHAY ANAND	<i>Akshay</i>
36	S2032512	SHAILA DODAMANI	<i>Shaila</i>
37	S2016277	SHREELAKSHMI KALLUR	<i>Shreelakshmi</i>

HEAD

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

Chairperson IQAC

HOD

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

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

**Department of Botany
Certificate Course (Nursery and Gardening))
Statement of marks 2022-23)**

Sl. No	Reg.No	Name of the students	Class	Theory (50 Mrks)	Practical (50 Mrks)	Remark	SIGN
1	S2032402	AISHWARYA.S HIREMATH	B. Sc.V Sem	44	43	Pass	<i>[Signature]</i>
2	S2032407	AKSHAYKUMAR ANGADI	B. Sc.V Sem	44	44	Pass	<i>[Signature]</i>
3	S2032408	AMBIKA	B. Sc.V Sem	47	44	Pass	<i>[Signature]</i>
4	S2032410	ANIL PARAMANAND	B. Sc.V Sem	45	40	Pass	<i>[Signature]</i>
5	S2032414	ARUNA TEGGELLI	B. Sc.V Sem	46	40	Pass	<i>[Signature]</i>
6	S2032420	BHAGYA BIRADAR	B. Sc.V Sem	46	42	Pass	<i>[Signature]</i>
7	S2032422	BHAGYASHREE ANAGOND	B. Sc.V Sem	46	43	Pass	<i>[Signature]</i>
8	S2032430	BHAGYASHREE HATTARAKI	B. Sc.V Sem	47	46	Pass	<i>[Signature]</i>
9	S2032434	BIBIALISHA S JUMNAL	B. Sc.V Sem	46	46	Pass	<i>[Signature]</i>
10	S2032450	KASHIMSAB KHARJAGI	B. Sc.V Sem	44	43	Pass	<i>[Signature]</i>
11	S2032454	KEERTI G TARAPUR	B. Sc.V Sem	44	42	Pass	<i>[Signature]</i>
12	S2032466	NADAF.NAJIAYA BABULAL	B. Sc.V Sem	47	45	Pass	<i>[Signature]</i>
13	S2032467	NAGESH T RATHOD	B. Sc.V Sem	47	45	Pass	<i>[Signature]</i>
14	S2032470	NELAMMA.S MARASANALLI	B. Sc.V Sem	46	45	Pass	<i>[Signature]</i>
15	S2032473	PAVANKUMAR KANNOLLI	B. Sc.V Sem	43	41	Pass	<i>[Signature]</i>
16	S2032474	PAVITRA .MAKASI	B. Sc.V Sem	46	44	Pass	<i>[Signature]</i>
17	S2032485	PRIYADARSHINI. SURPUR	B. Sc.V Sem	47	46	Pass	<i>[Signature]</i>
18	S2032487	RADHIKA P KULAKARNI	B. Sc.V Sem	46	45	Pass	<i>[Signature]</i>
19	S2032490	RAJESHWARI	B. Sc.V Sem	47	45	Pass	<i>[Signature]</i>
20	S2032492	RANAJEET I CHAVHAN	B. Sc.V Sem	40	42	Pass	<i>[Signature]</i>
21	S2032494	RAVITEJ PATIL	B. Sc.V Sem	44	41	Pass	<i>[Signature]</i>
22	S2032500	SAGAR	B. Sc.V Sem	46	44	Pass	<i>[Signature]</i>
23	S2032503	SANA.U HARASAGUNDAGI	B. Sc.V Sem	47	46	Pass	<i>[Signature]</i>
24	S2032509	SANTOSH S KADAGAL	B. Sc.V Sem	45	41	Pass	<i>[Signature]</i>
25	S2032515	SHANTAGOUDA	B. Sc.V Sem	45	42	Pass	<i>[Signature]</i>
26	S2032516	SHARANABASU.C ARALAGUNDAGI	B. Sc.V Sem	40	40	Pass	<i>[Signature]</i>
27	S2032517	SHARAT.G SURYAVANSHI	B. Sc.V Sem	45	41	Pass	<i>[Signature]</i>
28	S2032521	SHIVARAJKUMAR	B. Sc.V Sem	45	42	Pass	<i>[Signature]</i>
29	S2016277	SHREELAKSHMI B KALLUR	B. Sc.V Sem	47	44	Pass	<i>[Signature]</i>
30	S2032526	SHWETA DEVANAGAV	B. Sc.V Sem	46	46	Pass	<i>[Signature]</i>
31	S2032528	SIDDAMMA P WALIKAR	B. Sc.V Sem	46	43	Pass	<i>[Signature]</i>
32	S2032537	SUHANA H	B. Sc.V Sem	40	40	Pass	<i>[Signature]</i>
33	S2032541	SWATI. S HARNAL	B. Sc.V Sem	46	46	Pass	<i>[Signature]</i>
34	S2032550	VISHAL	B. Sc.V Sem	45	43	Pass	<i>[Signature]</i>
35	S2032484	BEHAY ANAND	B. Sc.V Sem	43	41	Pass	<i>[Signature]</i>
36	S2032512	SHAILA DODAMANE	B. Sc.V Sem	43	43	Pass	<i>[Signature]</i>
37	S2016217	SHREELAXMI KALLUR	B. Sc.V Sem	47	45	Pass	<i>[Signature]</i>

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

Chairperson IQAC

HOD *[Signature]*
Coordinator IQAC
G. P. PORWAL ARTS, COM. &
V.V.SALIMATH Sc. College.

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

**Department of Botany
Certificate Course - Nursery and Gardening - 2022-23
Practical Attendance**

Sl. No	Reg.No	Name of the students	9/12/22	10/12/22	16/12/22	23/12/22	30/12/22	6/1/23	13/1/23
1	S2032402	AISHWARYA S SHIREMATH	P	P	P	P	P	P	P
2	S2032407	AKSHAYKUMAR ANGADI	P	P	P	P	P	P	P
3	S2032408	AMBIKA	P	P	P	P	P	P	P
4	S2032410	ANIL PARAMANAND	P	P	P	P	P	P	P
5	S2032414	ARUNA TEGGELLI	P	P	P	P	P	P	P
6	S2032420	BHAGYA BIRADAR	P	P	P	P	P	P	P
7	S2032422	BHAGYASHREE ANAGOND	P	P	P	P	P	P	P
8	S2032430	BHAGYASHREE HATTARAKI	P	P	P	P	P	P	P
9	S2032434	BIBIALISHA S JUMNAL	P	P	P	P	P	P	P
10	S2032450	KASHIMSAB KHARJAGI	P	P	P	P	P	P	P
11	S2032454	KEERTI G TARAPUR	P	P	P	P	P	P	P
12	S2032466	NADAF NAJIAYA BABULAL	P	P	P	P	P	P	P
13	S2032467	NAGESH T RATHOD	P	P	P	P	P	P	P
14	S2032470	NELAMMA S MARASANALLI	P	P	P	P	P	P	P
15	S2032473	PAVANKUMAR KANNOLLI	P	P	P	P	P	P	P
16	S2032474	PAVITRA MAKASI	P	P	P	P	P	P	P
17	S2032485	PRIYADARSHINI SURPUR	P	P	P	P	P	P	P
18	S2032487	RADHIKA P KULAKARNI	P	P	P	P	P	P	P
19	S2032490	RAJESHWARI	P	P	P	P	P	P	P
20	S2032492	RANAJEET I CHAVHAN	P	P	P	P	P	P	P
21	S2032494	RAVITEJ PATIL	P	P	P	P	P	P	P
22	S2032500	SAGAR	P	P	P	P	P	P	P
23	S2032503	SANA U HARASAGUNDAGI	P	P	P	P	P	P	P
24	S2032509	SANTOSH S KADAGAL	P	P	P	P	P	P	P
25	S2032515	SHANTAGOUDA	P	P	P	P	P	P	P
26	S2032516	SHARANABASU C ARALAGUNDAGI	P	P	P	P	P	P	P
27	S2032517	SHARAT G SURYAVANSHI	P	P	P	P	P	P	P
28	S2032521	SHIVARAJKUMAR	P	P	P	P	P	P	P
29	S2016277	SHREELAKSHMI B KALLUR	P	P	P	P	P	P	P
30	S2032526	SHWETA DEVANAGAV	P	P	P	P	P	P	P
31	S2032528	SIDDAMMA P WALIKAR	P	P	P	P	P	P	P
32	S2032537	SUHANA H	P	P	P	P	P	P	P
33	S2032541	SWATI S HARNAL	P	P	P	P	P	P	P
34	S2032550	VISHAL	P	P	P	P	P	P	P
45	S2032406	KESHAY ANOOR	P	P	P	P	P	P	P
46	S2032512	SHAILA DODAMANI	P	P	P	P	P	P	P
47	S2016277	SHREELAKSHMI KALLUR	P	P	P	P	P	P	P

HEAO
Dept. of Botany
G. P. & V.V.S. College
SINDAGI - 586128

Chairperson IQAC

HOD
Coordinator IQAC
G. P. PORWAL ARTS, COM.
V.V.SALIMATH Sc. College
SINDAGI-586128

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

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Dept. of Botany
G.P.P. & V.V.S. College

Page 1 of 1

Principal,
Central Arts, Comm. &
Sanskrit College,
Salem.

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Dept. of Botany
G.P.R. & V.V.S. College
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Co-ordinator IQAC
G. P. Poovalingam, Page Salimath
Science College, Mysore-575 005, DeWanna

Principal,
G. P. Ponnai Arts, Comm. &
V. V. Sathyanath Sc. College,
SHDC-605128, Coimbatore, MH

STUDENT'S NAME AKSHAY KUMAR M
CLASS
ROLL NO 22032407

SUBJECT
DATE



1) Describe the objective of nursery?

our objectives are:-

- * The need for forest nurseries emphasizes an important difference b/w agriculture and forestry
- * The farmer sowing the seeds where his crop is to grow
- * The forester in most cases sows seeds and raises seedlings in a nursery and then plants them on land to be afforested.

Nursery is

- * Nursery is defined as an area where plants are raised for eventual planting out
- * It comprises of nursery beds, paths irrigated channels etc
- * Nursery bed is defined as a prepared area in a nursery where seed is sown or into which seedlings

PRINCIPAL,
Sarda Roopa

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

2) Describe the Process of Sowing

* Sowing is a Process of Planting seeds into the Soil

* During this agricultural Process Proper precautions should be taken, including the appropriate depth

* Proper distance maintained, and Soil should be clean, healthy & free from diseases & other Pathogens including the Fungus

* All these Precautions are essential for seed germination the Process of seeds developing into new Plants.

* Agricultural Processes involve sowing

* Soil is prepared for planting seeds seeds in the Soil.

* By plowing the Soil gets looser

* It increases the Absorption of water & manures

PRINCIPAL,

Sona Roopa

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

3) Describe the classification of Nurseries.

* Fruit Plant Nurseries:- In this nursery seedlings and grafts of fruit crops are developed.

* Vegetable nurseries:- In this nursery seedlings of cauliflower, cabbage, brinjal and tomato are prepared.

* Flowers Plants nurseries (ornamental plant nurseries) The seedlings of flowering plants like gerbera, carnation, petunia, scilla, rose, aster, daffodils are developed in this nurseries.

* Forest nurseries:- The seedling of plants useful for forestation like pine, oak, teak, casuarina are prepared and sold.

* Miscellaneous nurseries:- In such type of nurseries plants with great economic value like medicinal and herbal plants are propagated. In this nursery plants like rose, chendama & are propagated.

Sona Roopa

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

4) Describe the uses of green house for nursery Production?

* Green houses allow for greater control over the growing environment of plants.

* Depending upon the technical specification of a green house key factors which may be controlled include temperature

* levels of light and shade, irrigation, fertilizer application & atmospheric humidity.

* Green houses are often used for growing flowers, vegetables, fruits & transplants.

* Special greenhouse varieties of certain crops, such as tomatoes, are generally used for commercial production.

* Many vegetables & flowers can be grown in green house in late winter & early spring & then transplanted outside as the weather warms.

PRINCIPAL

Sona Roopa

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CLASS	SUBJECT	
ROLL NO.	DATE	

5) Describe the 'Vegetative propagation through cutting'.

Cutting :-

In this a part of plant, specifically a stem or leaf is cut and planted in the soil.

* These cutting are sometimes treated with hormones to induce root development.

* The new plant is formed from the adventitious roots developing from the cutting.

Grafting :-

In this the cutting from some other plant is attached to the stem of a plant rooted in the ground.

* The tissues of the graft become integrated with the tissue of the rooted plant & develop as a single plant over time.

Layering :-

In this the stem of the plant is bent to the ground and covered with soil.

* Adventitious roots emerge from the plant parts covered with the soil.

PRINCIPAL, Sona Roon



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 "NURSERY AND
GARDENING" conducted by department of BOTANY during the academic year 2022-23.

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

CCM
Co-ordinator IQAC
G.P. Porwal Arts, Commerce & V. V. Salimath
Science College, Sindgi- 586128, DcVijayapur

Principal,
G. P. Porwal Arts, Commerce &
V. V. Salimath Science College,
SINDGI-586128, Dist: Vijayapur

2022-23

VALIDICTORY FUNCTION AND CERTIFICTE DISTRIBUTION OF
CERTIFICATE COURSE

"NURSERY AND GARDENING"



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15/01/23
Coordinator IQAC
G. P. PORWAL ARTS, COM &
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SINDGI-586128.

[Signature]
Principal,
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SPVVS

**G.P.PORWAL ARTS, COMMERCE &
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SINDGI**



BROCHURE



DEPARTMENT OF BOTANY

**CERTIFICATE COURSE
2021-22**



TITLE: BONSAI TECHNIQUE

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




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**Principal,
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V. V. Salimath Sc. College,
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NAME OF THE COURSE

BONSAI TECHNIQUES

OFFERED BY

DEPARTMENT OF
BOTANY

COURSE CODE

CCBOTBT4

COURSE COORDINATOR

SMT. S.S. MUTTINPENDIMATH
HOD OF BOTANY



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Science College, SINDGI-586128, Dt.Vijayapur

[Signature]
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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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Principal,
G. P. Porwal Arts, Comm. &
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 | : | Member |
| M.V.G.C. College. Muddebihal | | |

THANK YOU


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Science College, SINDGI-586128. Dt:Vijayapur


Principal,
G. P. Porwal Arts, Comm. &
V. V. Salimath Sc. College,
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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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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**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.

Yours faithfully

Place: Sindgi
Date: 27-10-2021


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


Coordinator IQAC
G. P. PORWALARTS, 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,

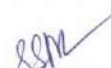
With reference to subject cited above I herewith permit you to
conduct Certificate Course for B.Sc. V semester students.

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
G. P. PORWAL ARTS, COM. &
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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 |


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Chairperson IOAC

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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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G.P. PORWAL ARTS, COMMERCE & V.V. SALIMATH SCIENCE COLLEGE AND
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: Ningoraj R Shivapur

Sex: ☒ Male / ☐ Female

Date of Birth: 15-08-2001

Caste: Hindu Lingayat

Annual Income: 15,000

Permanent Address: Ningoraj Shivapur
Post - Korahalli 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


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


Chairperson IQAC

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

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Accredited at B (2.42 CGPA) by NAAC



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: 8/7/2003

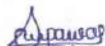
Caste: SC

Annual Income: 168195

Permanent Address: Kulkarni layout near Gunkurappa 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.P. & V.V.S. College
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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
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

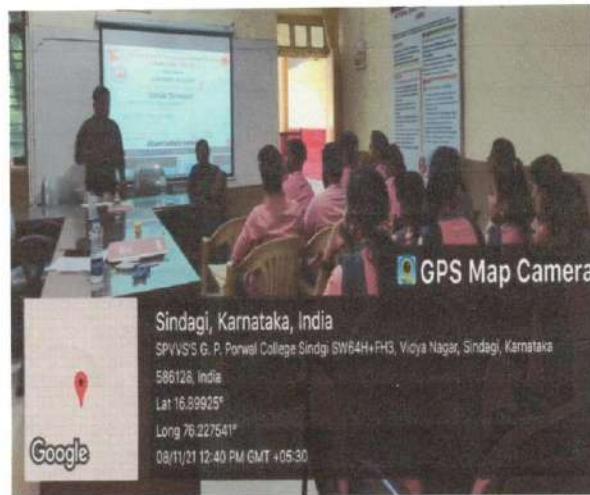

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2021-22

**INAGURATION OF CERTIFICATE COURSE
'BONSAI TECHNIQUE '**




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Principal,
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SINDGI-586128. College Code: 5234

2021-22

STUDENTS LEARNING BONSAI TECHNIQUE




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SINDGI-586128.


Principal,
G. P. Porwal Arts, Comm. &
V. V. Salimath Sc. College,
SINDGI-586128. College Code: 50

2021-22

STUDENTS PREPARING COCO PEAT



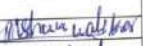
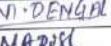
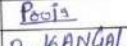
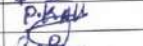
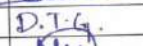
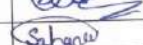

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SINDGI-586128


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SINDGI-586128.


Principal,
G. P. Porwal Arts, Comm. &
V. V. Salimath Sc. College,
SINDGI-586128. College Code: 5214

**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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SINDGI - 585 128


Coordinator IOAC
G. P. PORWAL ARTS, C.W.I. &
V.V.SALIMATH Sc. College,
SINDGI-585128

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 KOODAGI	
39	RANI	
40	ABDULHASAN MASALI	
41	SAVITRI S BIRADAR	
42	SHARANABASU TALAWAR	
43	SUDHARANI	
44	UMAR FARUK J CHOUDHARI	


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Science College, SINDGI-586128. Dt.Vijayapur


Principal,
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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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P.P. & V.V.S. College
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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
Certificate Course-Bonsai Technique
(B.Sc V Semester) 2021-22

Time: 2 Hrs

Marks: 50

Answer any five of the followings:

10X5=50marks

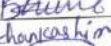
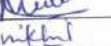
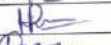
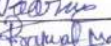
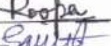
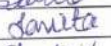
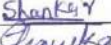
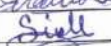
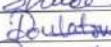
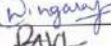
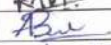
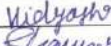
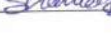
1. Describe the different styles of bonsai?
2. What are the procedures of training bonsai according to different styles?
3. List some plants suitable for bonsai.
4. Mention the different methods of treating pests and the diseases of Bonsai plants.
5. What are the different diseases that are found in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


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


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SINDGI-586128


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	
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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. &
V.V.SALIMATH Sc. College,


Chairperson IQAC

THEORY EXAMINATION ATTENDANCE -2021-22

SL.NO	NAME OF THE STUDENT	SIGN
29	PRIYA KULKARNI	PK
30	ASHA MULLOLI	AM
31	PRAVEEN S KADEMANI	PK
32	KAJALMA MELINMANI	KM
33	KEDARLINGA GADDAD	KG
34	LAXMI KALLUR	LK
35	MALLIKARJUN YALLUR	MY
36	PADMASHREE BOGAR	PB
37	POOJA	P
38	PRADEEP KOODAGI	PK
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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G. P. Porwal Arts, Comm & V. V. Salimath
Science College, SINDGI-586128. Dt: Vijayapur

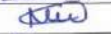

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V. V. Salimath Sc. College,
SINDGI-586128. College Code: 5234

**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	
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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	
30	ASHA MULLOLLI	
31	PRAVEEN S KADEMANI	
32	KAJALMA MELINMANI	
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39	RANI	
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41	SAVITRI S BIRADAR	
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Principal,
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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	Sign
1	AISHWARYA WALIKAR	P	P	P	P	P	P	Ashturke
2	AKASH NAIK	P	P	P	P	P	P	Ashturke
3	AKSHYKUMAR BAJANTRI	P	P	P	P	P	P	Ashturke
4	ANIL GUTTEDAR	P	P	P	P	P	P	Ashturke
5	BHAGYASHREE SULPI	P	P	P	P	P	P	Ashturke
6	BHIMANNA DESUNAGI	P	P	P	P	P	P	Ashturke
7	KHANKASHIM	P	P	P	P	P	P	Ashturke
8	MAHESH DEGINAL	P	P	P	P	P	P	Ashturke
9	NANDISH HOSAMANI	P	P	P	P	P	P	Ashturke
10	NIKHIL MARTHUR	P	P	P	P	P	P	Ashturke
11	POOJA HIREMATH	P	P	P	P	P	P	Ashturke
12	POORNIMA KANGAL	P	P	P	P	P	P	Ashturke
13	PRAJWAL MANGALUR	P	P	P	P	P	P	Ashturke
14	PRATHIBA KALLE	P	P	P	P	P	P	Ashturke
15	ROOPA .BIRADAR	P	P	P	P	P	P	Ashturke
16	SAVITHA BIRADAR	P	P	P	P	P	P	Ashturke
17	SAVITHA SONNAD	P	P	P	P	P	P	Ashturke
18	SHANKREMA GOBBUR	P	P	P	P	P	P	Ashturke
19	SHARANBASU HUGAR	P	P	P	P	P	P	Ashturke
20	SIDRAM PATIL	P	P	P	P	P	P	Ashturke
21	SIDRAM BASAGI	P	P	P	P	P	P	Ashturke
22	SNEHA BAJANTRI	P	P	P	P	P	P	Ashturke
23	DOULATHARY.GOBBUR	P	P	P	P	P	P	Ashturke
24	NINGARAJ SHIVPUR	P	P	P	P	P	P	Ashturke
25	RAVI NAIKODI	P	P	P	P	P	P	Ashturke
26	BHAGYASHREE.KOLI	P	P	P	P	P	P	Ashturke
27	VIDYASHREE.HUGAR	P	P	P	P	P	P	Ashturke
28	SAHANA.PAWAR	P	P	P	P	P	P	Ashturke


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SINDGI - 586 128


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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	AM
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	FL
33	KEDARLINGA GADDAD	P	P	P	P	A	P	KD
34	LAXMI KALLUR	P	A	P	P	P	P	LU
35	MALLIKARJUN YALLUR	P	P	A	P	P	P	MX
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	PM
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	SUDH
44	UMAR FARUK J CHOUDHARI	P	P	A	P	P	P	UF


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Science College, SINDGI-586128. Dt.Vijayapur


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

2021-22

CERTIFICATE COURSE

B.SC. V SEMESTER

SUBJECT : Botany

SUBJECT : Botany			B.S.C. V SEMESTER																															
No.	Reg.No.	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		PRAI WAL 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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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:324

Principal,

G. P. Porwal Arts, Comm. & V. V. Salimath Sc. College, SINDGI-586128. College Code:324

Sl. No.	Reg No.	Student Name	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	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	✓	PRATIBHA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	✓	PRAVEEN S KADEMANI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	✓	AKSHAYKUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	✓	POOJA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	✓	BHEEMANNA DESUNAGI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	✓	SHANKREMMMA GOBBUR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	✓	SAVITA SONNAD	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	✓	SIDRAM BHASAGI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	✓	SNEHA S BAIJANTRI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	✓	VIDYASHREE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	✓	PRIYA KULKARNI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	✓	PRADEEP KOODAGI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	✓	RAVI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	✓	KAJALMA MELINMANI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30	✓	ANEELAKUMAR GUTTEDAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31	✓	KEDARLINGA GADDAD	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
32	✓	NINGARAJ	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

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																															
41		SHARANABASU TALAWAR																															
42		MAHESH DEGINAL																															
43		RANI																															
44		SUDHARANI SIRASAGI																															

2021

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SINDGI - 586 128

Co-ordinator for IQAC

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

Date: 2/1/21

Principal,
Porwal Arts, Comm. &
V. V. Salimath 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.

i) 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 betⁿ branches decreases as they near the apex.

ii) 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.

iii) 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.

iv) 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.

v) 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) Wiring Bonsai

→ 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.

Q. List some plants suitable for Bonsai.

- Q. List some plants suitable for Bonsai.
- 1) Japanese maple
 - 2) Bodhi tree
 - 3) Jade
 - 4) Dwarf schefflera
 - 5) Baugmilla
 - 6) Pachira
 - 7) Manikora
 - 8) Sapota
 - 9) Bissiamist
 - 10) Ficus benjamina
 - 11) Ficus krishna
 - 12) Juniper
 - 13) Chinese elm.

Q. Mention the different methods of styling Bonsai.

- Q. Mention the different methods of styling Bonsai.
- 1) And the absence of Bonsai plants.
 - 2) Bonsai are aged-looking trunk and branches and weathered looking exposed upper roots.
 - 3) Bonsai techniques allow trees to grow in small containers to survive extremely restricted root and canopy structure and to support compressive repeated styling manipulations.
 - 4) 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. PURWAL ARTS, COM.
V. V. S. "BATH" Se. Cn.
SINO - 586122

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>

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

[Signature]
Coordinator IOAC
G. P. PORWAL ARTS, COM. & SCIENCE COLLEGE

[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	
30	ASHA MULLOLLI	B.Sc V sem	43	38	Pass	
31	PRAVEEN S KADEMANI	B.Sc V sem	40	39	Pass	
32	KAJALMA MELINMANI	B.Sc V sem	38	32	Pass	
33	KEDARLINGA GADDAD	B.Sc V sem	39	36	Pass	
34	LAXMI KALLUR	B.Sc V sem	32	38	Pass	
35	MALLIKARJUN YALLUR	B.Sc V sem	36	39	Pass	
36	PADMASHREE BOGAR	B.Sc V sem	38	41	Pass	
37	POOJA	B.Sc V sem	39	38	Pass	
38	PRADEEP KOODAGI	B.Sc V sem	41	39	Pass	
39	RANI	B.Sc V sem	38	42	Pass	
40	ABDULHASAN MASALI	B.Sc V sem	39	43	Pass	
41	SAVITRI S BIRADAR	B.Sc V sem	32	40	Pass	
42	SHARANABASU TALAWAR	B.Sc V sem	36	38	Pass	
43	SUDHARANI	B.Sc V sem	38	39	Pass	
44	UMAR FARUK J CHOUDHARI	B.Sc V sem	39	32	Pass	

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S. P. V. V. S
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SCIENCE COLLEGE SINDAGI-586128
DIST-VIJAYPUR



Rani Channamma



University, Belagavi



PROJECT REPORT

DEPARTMENT: BOTANY -2021-22

DATE: 12/02/2022

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

Sneha Bajantai
SUBMITTED BY

SSM
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G. P. PORWAL ARTS, COM. &
V.V.SALIMATH Sc. College,
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SSM
Chairperson IQAC

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

College Roll No: 106,105

University No: 51928954
51928958

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DIST-VIJAYAPUR



Rani Channamma



University, Belagavi



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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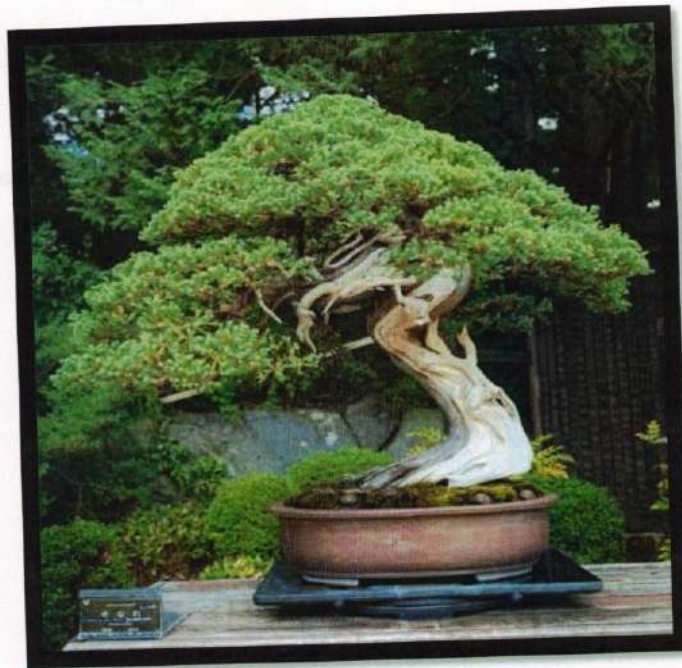
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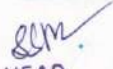
INTRODUCTION :-

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.

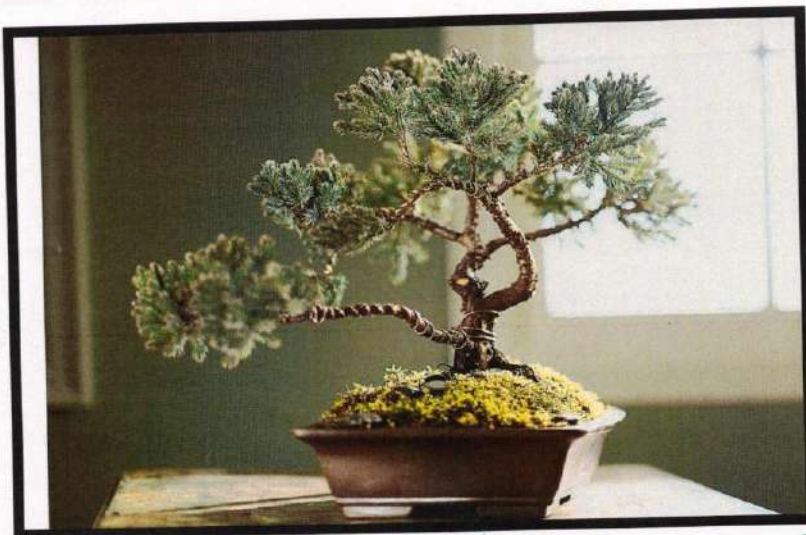

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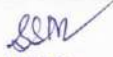
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Principal,
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USES OF BONSAI TREE : (HEALTH & WELLNESS :-

- **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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SINDGI-586128


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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 :-

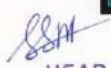
Add some pebbles in the pot and required amount of sand.



3rd STEP :-

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




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Science College, SINDGI-586128, Dist. Vijayapur


Principal,
C. P. Porwal Arts, Comm. &
V. V. Salimath Sr. College
SINDGI-586128, College Code: 5334

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

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

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



SPVVS'S

**G. P. Porwal Arts, Commerce & V. V. Salmath 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.

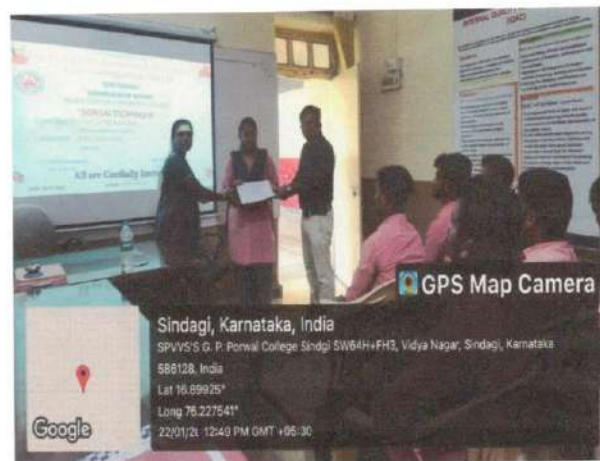
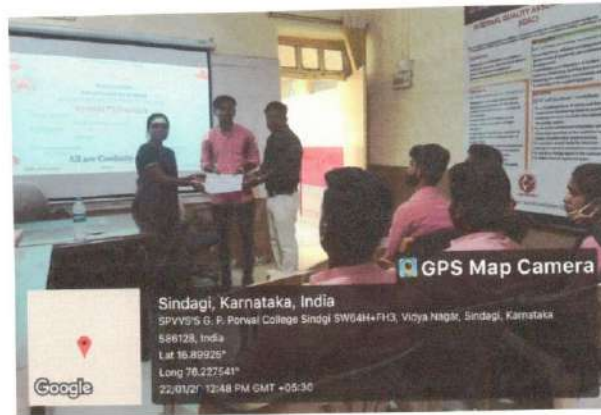
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COORDINATOR
G. P. Porwal Arts, Commerce & V. V. Salmath
Science College, Sindgi-586128, Belagavi

Principal
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SINDGI-586128, College Code: 5281

2021-22

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



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

Coordinator
G. P. PORWAL ARTS, CO
V. V. SALIMATH Sc. College,
SINDGI-586128.

Principal
G. P. Porwal Arts, Comm. &
V. V. Salimath Sc. College,
SINDGI-586128, College Code: 0111



SPVVS'S

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



BROCHURE



DEPARTMENT OF BOTANY

**CERTIFICATE COURSE
2020-21**

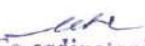


TITLE: BONSAI TECHNIQUE

DATE: 08/12/2020 TO 22/01/2021




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



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



G.P.P. & V.V.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 2020-21. The continuation of these courses will depend on interest and participation of students.

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

S.S.M.
Principal,
G. P. Porwal Arts, Comm. &
V. V. Salimath Sc. College,
SINDGI-586128, College Code: 5254

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.


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. DeVijayapur


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

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


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: 5134

SPVVSS

**G.P. PORWAL ARTS, COMMERCE & V.V. SALIMATH SCIENCE COLLEGE AND
BHASKARACHARYA-II P.G CENTRE SINDGI - 586 128**

Affiliated to Rani Channamma University Belagavi (Karnataka State)
Accredited at B (2.42 CGPA) by NAAC

From:
The HOD,
Department of Botany
GPP & VVS College
Sindgi
Date: 02-12-2020

To,
The Principal,
GPP & VVS College,
Sindgi

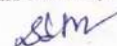
Sub: Permission to start certificate course on "Bonsai Technique"

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 2020-21. We hope that the authority will consider the request and oblige.

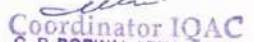
Place: Sindgi
Date: 02-12-2020

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



Principal,
G.P.Porwal Arts, Comm. &
V.V.Salimath Sc. College
& P. G. Centre, SINDGI

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: 3/12/2020

To,
The Head,
Department of Botany

Academic Year: 2020-21

Sub: Permission to conduct Certificate Course.

Ref: Your letter dated 2/12/2020

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: 3/12/2020

Coordinator, IQAC


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

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

Department of Botany
Certificate Course-Bonsai Technique
(B.Sc V Semester) 2020-21

Certificate Course on Bonsai Technique

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 2020-21. 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:-

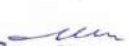
This course is of three month duration which includes theory and practical classes.

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 Fifth semester are eligible to enroll for the course.


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

SPVVSS

**G.P. PORWAL ARTS, COMMERCE & V.V. SALIMATH SCIENCE COLLEGE AND
BHASKARACHARYA-II P.G CENTRE SINDGI – 586 128**

Affiliated to Rani Channamma University Belagavi (Karnataka State)

Accredited at B (2.42 CGPA) by NAAC

Application form

1. Name of the course: Bonsai Technique
2. Year of the Course: 2020-2021
3. CLASS: B.Sc V semester

General Information of the Candidate:

Name of the student:

Sex:

Date of Birth:

Caste:

Annual Income:

Permanent Address:

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


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


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


Principal,
G.P.Porwal Arts, Comm. &
V.V.Salimath Sc. College
& P. G. Centre, SINDGI

Department of Botany
Certificate Course
Bonsai Technique

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

**Certificate Course
“BONSAI TECHNIQUE”
SYLLABUS**

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

Total 30 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:

1. Prof.Smt. S.S.Muttinpendimath, : Chairman and HOD

2. Prof.V.V.Jirali : Member

3. Prof. Sunil Natikar : Member

[Signature]
Coordinator IQAC
G. P. PORWAL ARTS, COM. &
V.V.SALIMATH Sc. College,
SINDGI - 586 128

[Signature]
Principal,
G.P.Porwal Arts, Comm. &
V.V.Salimath Sc. College
& P. G. Centre, SINDGI

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

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Department of Botany

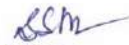
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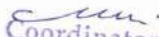
It is hereby informed to all the students of B.Sc. V Semester that Certificate Course on “Bonsai Technique” will be started in our college from 08-12-2020. Hence interested students may apply on or before 07-12-2020.

Contact:

Prof.(Smt).S.S.Muttinpendimath

Prof. S.C. Natikar


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


Principal,
G.P.Porwal Arts, Comm. &
V.V.Salimath Sc. College
& P. G. Centre, SINDGI

Department of Botany

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

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

THEORY AND PRACTICAL TIME TABLE: 2020-21

DAY	TIME		NAME OF THE FACULTY
	Theory	Practical	
Monday	3.00pm - 4.00pm		1. Prof.Smt.S.S.Muttinpendimath
Tuesday	3.00pm - 4.00pm		2. Prof: Sunil. Natikar
Wednesday	3.00pm - 4.00pm		1. Prof.Smt.S.S.Muttinpendimath
Thursday	3.00pm - 4.00pm		2. Prof: Sunil. Natikar
Friday		2.00pm - 5.00pm	3. Prof.V.V.Jirali
Saturday		2.00pm - 5.00pm	4. Prof: Sunil. Natikar

Date: 05/12/2020


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SINDGI - 586 128

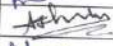

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G. P. PORWAL ARTS, COM. &
V.V.SALIMATH Sc. College,
SINDGI-586128


Chairperson IQAC

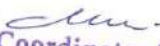
**G.P.PORWAL ARTS, COMMERCE, AND V.V.SALIMATH SCIENCE
COLLEGE, SINDAGI-586128**

**Department of Botany
Certificate Course
Bonsai Technique**

Student Enrolled for certificate course -2020-21

Sl.No	Name of the students	Class	Signature
1	Bavaramma	B. Sc. V Sem	
2	Ashmabegum Kojagar	B. Sc. V Sem	
3	Vijayalaxmi Kantikarmath	B. Sc. V Sem	
4	Reshmabegum Kojagar	B. Sc. V Sem	
5	Soundarya Desai	B. Sc. V Sem	
6	Ujwala	B. Sc. V Sem	
7	Deepa Karnal	B. Sc. V Sem	
8	Shweta Aralimath	B. Sc. V Sem	
9	Uzmatabasum Khatib	B. Sc. V Sem	
10	Spoorti S Guggari	B. Sc. V Sem	
11	Bhagyashree	B. Sc. V Sem	
12	Pooja Myalagi	B. Sc. V Sem	
13	Bhagyashree Kalashetti	B. Sc. V Sem	
14	Sakkubai Chavan	B. Sc. V Sem	
15	Shilpa	B. Sc. V Sem	
16	Manjula Biradar	B. Sc. V Sem	
17	Asma Jardi	B. Sc. V Sem	
18	Mandar Gogi	B. Sc. V Sem	
19	Vishalakshi Hatti	B. Sc. V Sem	
20	Laxmi Pyarasabadi	B. Sc. V Sem	
21	Megha	B. Sc. V Sem	
22	Vinod	B. Sc. V Sem	
23	Narayan Naik	B. Sc. V Sem	
24	Pavan Talakeri	B. Sc. V Sem	
25	Naveenkumar Sindagi	B. Sc. V Sem	
26	Somanagouda	B. Sc. V Sem	
27	Girish Hadapad	B. Sc. V Sem	
28	Mallikarjun Biradar	B. Sc. V Sem	
29	Praful Kurmal	B. Sc. V Sem	
30	Nandita Hiremath	B. Sc. V Sem	


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


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


Chairperson IQAC

CERTIFICATE COURSE 2020-21

STUDENT ENROLLED

31	Shruti Lakshman Guttadar	B.Sc V Sem	SA
32	Manjula Dyavappa Biradar	B.Sc V Sem	MDR
33	Priyanka Mathapati	B.Sc V Sem	PA
34	Jyoti Badiger	B.Sc V Sem	Badiger
35	Geeta Nayak	B.Sc V Sem	Qm
36	Ayisya Bagawan	B.Sc V Sem	AB
37	Anita Pawar	B.Sc V Sem	Am
38	Tabasum Jamadar	B.Sc V Sem	TH
39	Irramma Huggi	B.Sc V Sem	TH
40	Prema Sarjapur	B.Sc V Sem	PR
41	Hanmanta Allagi	B.Sc V Sem	TH
42	Mohammed Sarfaraz Mannur	B.Sc V Sem	MDR
43	Mohmadjaved Jardi	B.Sc V Sem	MDR
44	Lingaraj Salotagi	B.Sc V Sem	LS
45	Mahamadasheef Devaranavadagi	B.Sc V Sem	MDR
46	Malashree Shrishail Pujar	B.Sc V Sem	MDR
47	Gurupad Biradar	B.Sc V Sem	GPB
48	Hanamant Kalashetti	B.Sc V Sem	Hshetty
49	Laxshmiputtr	B.Sc V Sem	LS
50	Vidyadhar S Manasunagi	B.Sc V Sem	VS
51	Vishala	B.Sc V Sem	VS
52	Suvarna Biradar	B.Sc V Sem	SB
53	Ameerpatel	B.Sc V Sem	AP
54	Amit Hemalu Chavan	B.Sc V Sem	AC
55	Amit M Rathod	B.Sc V Sem	AM
56	Chaitra Biradar	B.Sc V Sem	CB
57	Ramesha	B.Sc V Sem	RM
58	Devendra Guttadar	B.Sc V Sem	DM
59	Abhishek I Kuchabal	B.Sc V Sem	AK
60	Manjunath Babaleshwar	B.Sc V Sem	MB
61	Sharanabasu Balaganoor	B.Sc V Sem	SB
62	Shivanagouda Biradar	B.Sc V Sem	SB
63	Ningappa Bhasagi	B.Sc V Sem	NB
64	Sharanagouda.N	B.Sc V Sem	SH

SSM
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

SPVVSS

**G.P. PORWAL ARTS, COMMERCE & V.V. SALIMATH SCIENCE COLLEGE AND
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: Bonsai Technique
2. Year of the Course: ~~2018-2019~~ 20-21
3. CLASS: B.Sc V semester

General Information of the Candidate:

Name of the student: Spoorthi S. Guggari

Sex : ~~Male~~ / Female

Date of Birth: 06/07/1999

Caste: IAA

Annual Income: 4,87,060

Permanent Address: H. No. 20 Gangolli Nivas.
Tyoti Nagar, Sindgi.
Dist:- Bijapur

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


HEAD
Dept. of Botany
G.P.P. & V.V.S. College
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Coordinator IQAC
G. P. PORWAL ARTS, COM. &
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SINDGI-586128


Chairperson IQAC

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**G.P. PORWAL ARTS, COMMERCE & V.V. SALIMATH SCIENCE COLLEGE AND
BHASKARACHARYA-II P.G CENTRE SINDGI – 586 128**

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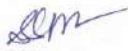
**Certificate Course
Bonsai Technique
NOTICE**

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

	Date	Time
THEORY	15/02/2021	9.00-11.00am
PRACTICAL	Ist Batch - 17/02/2021	9.00-12.00pm
	IInd Batch - 17/02/2021	1.00 - 4.00pm

Date: 01/02/2021


HOD AD

**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**


**Principal,
G.P.Porwal Arts, Comm. &
V.V.Salimath Sc. College
& P. G. Centre, SINDGI**

Department of Botany
Certificate Course
Bonsai Technique

SPVVSS

**G.P. PORWAL ARTS, COMMERCE & V.V. SALIMATH SCIENCE COLLEGE AND
BHASKARACHARYA-II P.G CENTRE SINDGI – 586 128**

Affiliated to Rani Channamma University Belagavi (Karnataka State)
Accredited at B (2.42 CGPA) by NAAC

(B.Sc V Semester Only)

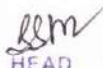
Time: 2 Hrs

Question Paper 2020-21

Max. Marks: 50

Answer any five of the followings: 10X5=50

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?


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


Principal,
G.P.Porwal Arts, Comm. &
V.V.Salimath Sc. College
& P. G. Centre, SINDAGI

Department of Botany
Certificate Course: 2020-21

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

**Department of Botany
Certificate Course-2020-21**

Bonsai Technique

Theory Examination Attendance

Sl.No	Name of the students	Class	Signature
1	Bavaramma	B. Sc.V Sem	
2	Ashmabegum Kojagar	B. Sc.V Sem	
3	Vijayalaxmi Kantikarmath	B. Sc.V Sem	
4	Reshmabegum Kojagar	B. Sc.V Sem	
5	Soundarya Desai	B. Sc.V Sem	
6	Ujwala	B. Sc.V Sem	
7	Deepa Karnal	B. Sc.V Sem	
8	Shweta Aralimath	B. Sc.V Sem	
9	Uzmatabasum Khatib	B. Sc.V Sem	
10	Spoorti S Guggari	B. Sc.V Sem	
11	Bhagyashree	B. Sc.V Sem	
12	Pooja Myalagi	B. Sc.V Sem	
13	Bhagyashree Kalashetti	B. Sc.V Sem	
14	Sakkubai Chavan	B. Sc.V Sem	
15	Shilpa	B. Sc.V Sem	
16	Manjula Biradar	B. Sc.V Sem	
17	Asma Jardi	B. Sc.V Sem	
18	Mandar Gogi	B. Sc.V Sem	
19	Vishalakshi Hatti	B. Sc.V Sem	
20	Laxmi Pyarasabadi	B. Sc.V Sem	
21	Megha	B. Sc.V Sem	
22	Vinod	B. Sc.V Sem	
23	Narayan Naik	B. Sc.V Sem	
24	Pavan Talakeri	B. Sc.V Sem	
25	Naveenkumar Sindagi	B. Sc.V Sem	
26	Somanagouda	B. Sc.V Sem	
27	Girish Hadapad	B. Sc.V Sem	
28	Mallikarjun Biradar	B. Sc.V Sem	
29	Praful Kurmal	B. Sc.V Sem	
30	Nandita Hiremath	B. Sc.V Sem	


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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

CERTIFICATE COURSE 2020-21

THEORY EXAMINATION ATTENDANCE

31	Shruti Lakshman Guttedar	B.Sc V Sem	SA
32	Manjula Dyavappa Biradar	B.Sc V Sem	MB
33	Priyanka Mathapati	B.Sc V Sem	PR
34	Jyoti Badiger	B.Sc V Sem	BA
35	Geeta Nayak	B.Sc V Sem	GN
36	Ayisya Bagawan	B.Sc V Sem	AB
37	Anita Pawar	B.Sc V Sem	AP
38	Tabasum Jamadar	B.Sc V Sem	JP
39	Irramma Huggi	B.Sc V Sem	IR
40	Prema Sarjapur	B.Sc V Sem	PS
41	Hanmanta Allagi	B.Sc V Sem	HA
42	Mohammed Sarfaraz Mannur	B.Sc V Sem	MS
43	Mohmadjaved Jardi	B.Sc V Sem	MJ
44	Lingaraj Salotagi	B.Sc V Sem	LS
45	Mahamadasheef Devaranavadagi	B.Sc V Sem	MD
46	Malashree Shrishail Pujar	B.Sc V Sem	MR
47	Gurupad Biradar	B.Sc V Sem	GB
48	Hanamant Kalashetti	B.Sc V Sem	HK
49	Laxshmiputtr	B.Sc V Sem	LP
50	Vidyadhar S Manasunagi	B.Sc V Sem	VS
51	Vishala	B.Sc V Sem	VI
52	Suvarna Biradar	B.Sc V Sem	SB
53	Ameerpatel	B.Sc V Sem	AP
54	Amit Hemalu Chavan	B.Sc V Sem	AC
55	Amit M Rathod	B.Sc V Sem	AR
56	Chaitra Biradar	B.Sc V Sem	CB
57	Ramesha	B.Sc V Sem	RS
58	Devendra Guttedar	B.Sc V Sem	DS
59	Abhishek I Kuchabal	B.Sc V Sem	AK
60	Manjunath Babaleshwar	B.Sc V Sem	MB
61	Sharanabasu Balaganoor	B.Sc V Sem	SB
62	Shivanagouda Biradar	B.Sc V Sem	SB
63	Ningappa Bhasagi	B.Sc V Sem	NB
64	Sharanagouda N	B.Sc V Sem	SN

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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: 5214

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

**Department of Botany
Certificate Course
Bonsai Technique**

Practical Examination Attendance -2020-21

Sl.No	Name of the students	Class	Signature
1	Bavamma	B. Sc.V Sem	B
2	Ashmabegum Kojagar	B. Sc.V Sem	Ash
3	Vijayalaxmi Kantikarmath	B. Sc.V Sem	VK
4	Reshmabegum Kojagar	B. Sc.V Sem	Reshma
5	Soundarya Desai	B. Sc.V Sem	SD
6	Ujwala	B. Sc.V Sem	Ujwala
7	Deepa Karnal	B. Sc.V Sem	Deepa
8	Shweta Aralimath	B. Sc.V Sem	Shweta
9	Uzmatabasum Khatib	B. Sc.V Sem	Uzma
10	Spoorti S Guggari	B. Sc.V Sem	Spoorti
11	Bhagyashree	B. Sc.V Sem	Bh
12	Pooja Myalagi	B. Sc.V Sem	Pooja
13	Bhagyashree Kalashetti	B. Sc.V Sem	Bh
14	Sakkubai Chavan	B. Sc.V Sem	S
15	Shilpa	B. Sc.V Sem	Shilpa
16	Manjula Biradar	B. Sc.V Sem	Manjula
17	Asma Jardi	B. Sc.V Sem	Asma
18	Mandar Gogi	B. Sc.V Sem	M
19	Vishalakshi Hatti	B. Sc.V Sem	Vishalakshi
20	Laxmi Pyarasabadi	B. Sc.V Sem	Laxmi
21	Megha	B. Sc.V Sem	Megha
22	Vinod	B. Sc.V Sem	Vinod
23	Narayan Naik	B. Sc.V Sem	Narayan
24	Pavan Talakeri	B. Sc.V Sem	Pavan
25	Naveenkumar Sindagi	B. Sc.V Sem	Naveen
26	Somanagouda	B. Sc.V Sem	Somanagouda
27	Girish Hadapad	B. Sc.V Sem	Girish
28	Mallikarjun Biradar	B. Sc.V Sem	Mallikarjun
29	Praful Kurmal	B. Sc.V Sem	Praful
30	Nandita Hiremath	B. Sc.V Sem	Nandita


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SINDGI-586128


Chairperson IQAC

CERTIFICATE COURSE 2020-21

PRACTICAL EXAMINATION ATTENDANCE

31	Shruti Lakshman Guttedar	B.Sc V Sem	SA
32	Manjula Dyavappa Biradar	B.Sc V Sem	MDR
33	Priyanka Mathapati	B.Sc V Sem	PM
34	Jyoti Badiger	B.Sc V Sem	Badiger
35	Geeta Nayak	B.Sc V Sem	Geeta
36	Ayisya Bagawan	B.Sc V Sem	AB
37	Anita Pawar	B.Sc V Sem	Anita
38	Tabasum Jamadar	B.Sc V Sem	Tabasum
39	Irramma Huggi	B.Sc V Sem	Irramma
40	Prema Sarjapur	B.Sc V Sem	Prema
41	Hanmanta Allagi	B.Sc V Sem	HA
42	Mohammed Sarfaraz Mannur	B.Sc V Sem	MM
43	Mohmadjaved Jardi	B.Sc V Sem	MJ
44	Lingaraj Salotagi	B.Sc V Sem	LS
45	Mahamadasheef Devaranavadagi	B.Sc V Sem	MD
46	Malashree Shrishail Pujar	B.Sc V Sem	MS
47	Gurupad Biradar	B.Sc V Sem	GB
48	Hanamant Kalashetti	B.Sc V Sem	HK
49	Laxshmi puttr	B.Sc V Sem	Laxshmi
50	Vidyadhar S Manasunagi	B.Sc V Sem	VS
51	Vishala	B.Sc V Sem	Vishala
52	Suvarna Biradar	B.Sc V Sem	SB
53	Ameerpatel	B.Sc V Sem	AP
54	Amit Hemalu Chavan	B.Sc V Sem	AC
55	Amit M Rathod	B.Sc V Sem	AR
56	Chaitra Biradar	B.Sc V Sem	CB
57	Ramesha	B.Sc V Sem	RS
58	Devendra Guttedar	B.Sc V Sem	GD
59	Abhishek I Kuchabal	B.Sc V Sem	AK
60	Manjunath Babaleshwar	B.Sc V Sem	MB
61	Sharanabasu Balaganoor	B.Sc V Sem	SB
62	Shivanagouda Biradar	B.Sc V Sem	SB
63	Ningappa Bhasagi	B.Sc V Sem	NB
64	Sharanagouda.N	B.Sc V Sem	SN

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Principal,
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V. V. Salimath Sc. College,
SINDGI-586128. College Code: 5134

SPVSS

**G.P. PORWAL ARTS, COMMERCE & V.V. SALIMATH SCIENCE COLLEGE AND
BHASKARACHARYA-II P.G CENTRE SINDGI – 586 128**

Affiliated to Rani Channamma University Belagavi (Karnataka State)

Accredited at B (2.42 CGPA) by NAAC

**Certificate Course
Bonsai Technique**

Statement of marks 2020-21

Sl.No	Name of the students	Class	Theory (50 Mrks)	Practical (50 Mrks)	Remark	Sign
1	Bavamma	B. Sc.V Sem	38	42	Pass	Sign
2	Ashmabegum Kojagar	B. Sc.V Sem	40	44	Pass	Sign
3	Vijayalaxmi Kantikarmath	B. Sc.V Sem	46	48	Pass	Sign
4	Reshmabegum Kojagar	B. Sc.V Sem	40	45	Pass	Sign
5	Soundarya Desai	B. Sc.V Sem	42	48	Pass	Sign
6	Ujwala	B. Sc.V Sem	39	42	Pass	Sign
7	Deepa Karnal	B. Sc.V Sem	39	43	Pass	Sign
8	Shweta Aralimath	B. Sc.V Sem	38	42	Pass	Sign
9	Uzmatabasum Khatib	B. Sc.V Sem	37	40	Pass	Sign
10	Spoorti S Guggari	B. Sc.V Sem	37	40	Pass	Sign
11	Bhagyashree	B. Sc.V Sem	36	40	Pass	Sign
12	Pooja Myalagi	B. Sc.V Sem	46	48	Pass	Sign
13	Bhagyashree Kalashetti	B. Sc.V Sem	44	48	Pass	Sign
14	Sakkubai Chavan	B. Sc.V Sem	36	40	Pass	Sign
15	Shilpa	B. Sc.V Sem	41	45	Pass	Sign
16	Manjula Biradar	B. Sc.V Sem	45	48	Pass	Sign
17	Asma Jardi	B. Sc.V Sem	45	48	Pass	Sign
18	Mandar Gogi	B. Sc.V Sem	46	48	Pass	Sign
19	Vishalakshi Hatti	B. Sc.V Sem	41	40	Pass	Sign
20	Laxmi Pyarasabadi	B. Sc.V Sem	46	48	Pass	Sign
21	Megha	B. Sc.V Sem	41	43	Pass	Sign
22	Vinod	B. Sc.V Sem	39	40	Pass	Sign
23	Narayan Naik	B. Sc.V Sem	39	40	Pass	Sign
24	Pavan Talakeri	B. Sc.V Sem	38	44	Pass	Sign
25	Naveenkumar Sindagi	B. Sc.V Sem	39	45	Pass	Sign
26	Somanagouda	B. Sc.V Sem	37	43	Pass	Sign
27	Girish Hadapad	B. Sc.V Sem	36	48	Pass	Sign
28	Mallikarjun Biradar	B. Sc.V Sem	38	47	Pass	Sign
29	Praful Kurmal	B. Sc.V Sem	36	45	Pass	Sign
30	Nandita Hiremath	B. Sc.V Sem	35	48	Pass	Sign

Coordinator IQAC

Principal,

HOD

G.P. PORWAL ARTS, COM. & V.V. SALIMATH SCIENCE COLLEGE
V.V. BHASKARACHARYA-II P.G. CENTRE, SINDGI
SINDGI-586128

Dept. of Botany
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SINDGI - 586 128



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

Styles of Bonsai

- Formal Upright:

The ~~three~~ have a straight upright tapering trunk. Branches progress regularly from the thickest and broadest at the bottom to the finest and shortest at the top. This gives branches a Stengelae shape. There should be strong surface roots visible. Informal Upright.

The trunk and branches incorporate visible curves but the tip of the tree is located directly above the trunk entry into the soil line although this progression may be broken where the irregular shaped trunk would make a branch abnormally

Brachi:

This style is employed for trees with extensive fine branching after with species like elms the trunk is straight and upright. It branches out in all directions about $\frac{1}{3}$ of the way up the entire height of the tree.

Slabbing:

The trunk is straight like that of a bonsai. Groves in the formal upright style. However, the slant style trunk

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

5. Common Beech

This tall, stately tree becomes a large to medium sized bonsai specimen keep in mind that the beech tree is a slow grower and takes time to develop fully. This is one of the best trees for bonsai

6. Box wood

not only for hedging but boxwood can also become a bonsai. The boxwood is an outdoor plant that is tough and resilient & withstands the sun as well as shade protect the plant in winter

7. Pomegranate:

plant because it has a shallow root system and adapts well to bonsai culture. This is one of the best trees for bonsai

8. Juniper

Junipers are one of the most popular trees for bonsai position. It is best place them in a sunny spot with shade from the afternoon sun

9. Jade:

Junipers are one of the most popular trees for bonsai position. It is best place them in a sunny spot with shade from the afternoon. It is succulent plant with thick fleshy stems and leaves. It is an easy care evergreen bonsai thick trunk

10. Ficus Tea - one of the best bonsai

plant the Ficus tree is a great addition to any bonsai collection that is a great



Student's Name		Total Marks Obtained
Class	Subject	
Roll No.	Date	

Root rot: Root rot is caused by over watering and lack of good drainage. If infected your bonsai's fine white roots discolour and branches will turn brown and soft & leaves will discolour branches will weaken.
Rust: Rust is a fungus that produces orange and brown spots on the underside of leaves. It looks like rusted metal & cause your bonsai to lose leaves.

Mention the different methods of treating pest and the diseases of Bonsai plants.

Organic methods:

By spraying a jet of water on them you can almost always get rid of aphids.

After killing the aphids manually remove the honeydew from the bonsai tree with a clean cloth.

In liter of water of water keep 100 grams of fresh stringy helle. This undiluted water can be used to treat aphids & white flies.

Apply a spray of soft soapy water on the tree. Do not allow it to come in contact of the root ball. You can also apply a spray of eucalyptus oil on the bonsai tree.

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Co-ordinator IQAC

G. P. Porwal Arts, Comm & V. V. Salimath
Science College, SINDGI-586128, D.V. Jayapur

SINDGI - 586128

Science College

SINDGI - 586128

Student's Name		Total Marks Obtained
Class	Subject	
Roll No.	Date	

7) What are the characteristics of Bonsai
a bonsai is distinct from other plants
mainly by virtue of its tree-like
shape and appearance

It should firstly have the common
attributes of its bigger counterparts in
nature. Bonsai are differentiated from
ordinarily potted plants because to all
effects and purposes they look like full
grown trees albeit on a miniature
scale

But to look like a tree a bonsai should
have the following characteristics of a tree
It should have a tapering trunk like
an abundance of branches reaching
out in all directions

a good spread of roots emerging from
the base at the level of the soil disap-
pearing into the soil gradually so as
to denote stability and agelessness
a tree as natural looking as
possible with reference to its
species

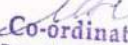
a pot which is in aesthetic looking
as possible with reference to its species
a pot which is in aesthetic &
visual proportion to the tree
neither too big nor too small both
together forming a harmonious unity

CERTIFICATE COURSE 2020-21

Statement Of Marks

31	Shruti Lakshman Guttedar	B.Sc V Sem	42	40	Pass	A
32	Manjula Dyavappa Biradar	B.Sc V Sem	44	43	Pass	MSB
33	Priyanka Mathapati	B.Sc V Sem	42	39	Pass	MSB
34	Jyoti Badiger	B.Sc V Sem	40	43	Pass	MSB
35	Geeta Nayak	B.Sc V Sem	40	42	Pass	MSB
36	Ayisya Bagawan	B.Sc V Sem	43	39	Pass	MSB
37	Anita Pawar	B.Sc V Sem	39	34	Pass	MSB
P38	Tabasum Jamadar	B.Sc V Sem	43	42	Pass	MSB
39	Irramma Huggi	B.Sc V Sem	42	40	Pass	MSB
40	Prema Sarjapur	B.Sc V Sem	43	40	Pass	MSB
41	Hanmanta Allagi	B.Sc V Sem	34	43	Pass	MSB
42	Mohammed Sarfaraz Mannur	B.Sc V Sem	40	39	Pass	MSB
43	Mohmadjaved Jardi	B.Sc V Sem	41	43	Pass	MSB
44	Lingaraj Salotagi	B.Sc V Sem	39	42	Pass	MSB
45	Mahamadasheef Devaranavadagi	B.Sc V Sem	38	39	Pass	MSB
46	Malashree Shrishail Pujar	B.Sc V Sem	37	34	Pass	MSB
47	Curupad Biradar	B.Sc V Sem	38	43	Pass	MSB
48	Hanamant Kalashetti	B.Sc V Sem	34	39	Pass	MSB
49	Laxshmiputtr	B.Sc V Sem	40	43	Pass	MSB
50	Vidyardhar S Manasunagi	B.Sc V Sem	41	42	Pass	MSB
51	Vishala	B.Sc V Sem	39	43	Pass	MSB
52	Suvarna Biradar	B.Sc V Sem	34	34	Pass	MSB
53	Ameerpate	B.Sc V Sem	42	43	Pass	MSB
54	Amit Hemalu Chavan	B.Sc V Sem	40	39	Pass	MSB
55	Amit M Rathod	B.Sc V Sem	40	43	Pass	MSB
56	Chaitra Biradar	B.Sc V Sem	43	42	Pass	MSB
57	Ramesha	B.Sc V Sem	39	39	Pass	MSB
58	Devendra Guttedar	B.Sc V Sem	43	34	Pass	MSB
59	Abhishek I Kuchabal	B.Sc V Sem	42	42	Pass	MSB
60	Manjunath Babaleshwar	B.Sc V Sem	43	40	Pass	MSB
61	Sharanabasu Balaganoor	B.Sc V Sem	34	40	Pass	MSB
62	Shivanagouda Biradar	B.Sc V Sem	40	43	Pass	MSB
63	Ningappa Bhasagi	B.Sc V Sem	42	39	Pass	MSB
64	Sharanagouda N	B.Sc V Sem	40	43	Pass	MSB


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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
Practical Attendance -2020-21**

Sl.No	Name of the students	11/2/20	18/2/20	25/2/20	3/3/20	11/3/21	8/4/21	Sign
1	Bavaramma	P	P	P	P	P	P	P
2	Ashmabegum Kojagar	P	P	P	P	P	P	P
3	Vijayalaxmi Kantikarmath	P	P	P	P	P	P	P
4	Reshmabegum Kojagar	P	P	P	P	P	P	P
5	Soundarya Desai	P	P	P	P	P	P	P
6	Ujwala	P	P	P	P	P	P	P
7	Deepa Karnal	P	A	P	P	P	P	P
8	Shweta Aralimath	P	P	P	P	P	P	P
9	Uzmatabasum Khatib	P	P	A	P	P	P	P
10	Spoorti S Guggari	P	P	P	P	P	P	P
11	Bhagyashree	P	P	P	P	P	P	P
12	Pooja Myalagi	P	P	P	P	P	P	P
13	Bhagyashree Kalashetti	P	P	P	P	P	P	P
14	Sakkubai Chavan	P	P	P	P	P	P	P
15	Shilpa	P	P	P	P	P	A	P
16	Manjula Biradar	P	P	P	P	P	P	P
17	Asma Jardi	P	P	P	P	P	P	P
18	Mandar Gogi	P	A	P	P	P	P	P
19	Vishalakshi Hatti	P	P	P	P	P	P	P
20	Laxmi Pyarasabadi	P	P	P	P	P	P	P
21	Megha	P	P	A	P	P	P	P
22	Vinod	P	P	P	P	P	P	P
23	Narayan Naik	P	P	P	P	P	P	P
24	Pavan Talakeri	P	A	P	P	P	P	P
25	Naveenkumar Sindagi	P	P	P	P	P	P	P
26	Somanagouda	P	P	P	P	P	P	P
27	Girish Hadapad	P	P	P	P	P	P	P
28	Mallikarjun Biradar	P	P	P	P	P	P	P
29	Praful Kurmal	P	P	P	P	P	P	P
30	Nandita Hiremath	P	P	P	P	P	P	P

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SINDGI-586128

Chairperson IQAC

CERTIFICATE COURSE 2020-21

Practical attendance

		13/12/20	18/12/20	24/12/20	25/12/20	31/12/20	31/12/21	
31	Shruti Lakshman Guttadar	P	P	P	P	P	P	SD
32	Manjula Dyavappa Biradar	P	P	P	P	P	P	MBB
33	Priyanka Mathapati	P	P	P	P	P	P	PM
34	Jyoti Badiger	P	P	P	P	P	P	BB
35	Geeta Nayak	P	P	P	P	P	P	BB
36	Ayisya Bagawan	P	P	P	P	P	P	BB
37	Anita Pawar	P	P	P	P	P	P	BB
38	Tabasum Jamadar	P	P	P	P	P	P	BB
39	Irramma Huggi	P	P	P	P	P	P	BB
40	Prema Sarjapur	P	P	P	P	P	P	BB
41	Hanmanta Allagi	P	P	P	P	P	P	BB
42	Mohammed Sarfaraz Mannur	P	P	P	P	P	P	BB
43	Mohmadjaved Jardi	P	P	P	P	P	P	BB
44	Lingaraj Salotagi	P	P	P	P	P	P	BB
45	Mahamadasheef Devaranavadagi	P	P	P	P	P	P	BB
46	Malashree Shrishail Pujar	P	P	P	P	P	P	BB
47	Gurupad Biradar	P	P	P	P	P	P	BB
48	Hanamant Kalashetti	P	P	P	P	P	P	BB
49	Laxshmiputtr	P	P	P	P	P	P	BB
50	Vidyadhar S Manasunagi	P	P	P	P	P	P	BB
51	Vishala	P	P	P	P	P	P	BB
52	Suvarna Biradar	P	P	P	P	P	P	BB
53	Ameerpatel	P	P	P	P	P	P	BB
54	Amit Hemalu Chavan	P	P	P	P	P	P	BB
55	Amit M Rathod	P	P	P	P	P	P	BB
56	Chaitra Biradar	P	P	P	P	P	P	BB
57	Ramesha	P	P	P	P	P	P	BB
58	Devendra Guttadar	P	P	P	P	P	P	BB
59	Abhishek I Kuchabal	P	P	P	P	P	P	BB
60	Manjunath Babaleshwar	P	P	P	P	P	P	BB
61	Sharanabasu Balaganoor	P	P	P	P	P	P	BB
62	Shivanagouda Biradar	P	P	P	P	P	P	BB
63	Ningappa Bhasagi	P	P	P	P	P	P	BB
64	Sharanagouda.N	P	P	P	P	P	P	BB

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SINDGI - 586 128

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

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

G.P. PORWAL / J.S. COMMERCE & V.V. SALIMATH SCIENCE COLLEGE, SINDAGI																																		
SUBJECT : Botany			B.S.C. V SEMESTER								CERTIFICATE COURSE																2020-21							
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	549	SHRUTI LAKSHMAN GUTTEDAR	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
2	454	GIREESH HADAPAD	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
3	483	MANJULA DYAVAPPA BIRADAR	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
4	510	PRIYANKA MATHSHAPATI	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
5	495	NEELAMMA MAHADEVAPPA HALAKERI	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
6	463	JYOTI BADIGER	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
7	492	NANDITA HIREMATHSH	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
8	452	GEETA NAYAK	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
9	487	MEGHA	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
10	472	LAXMI PYARASABADI	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
11	438	BHAGYASHREE KALASHETTI	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
12	588	VISHALAKSHI HATTI	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
13	434	BHAGYASHREE	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
14	482	MANDAR GOGI	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	

HEAD
Dept. of Botany
G.P.P. & V.V.S. College
SINDAGI - 585 128

Co-ordinator IQAC
G. P. Porwal Arts, Comm. & V. V. Salimath
Science College, Sindagi-585128, Dist. Yagchi

Principal,
G. P. Porwal Arts, Comm. & V. V. Salimath Sc. College,
SINDAGI-585128 (Tel: 0838-241)

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	494	NAVYENKUMAR MALLAPPA SINDAGI																															
16	493	NARAYANA NAIK																															
17	492	AYISHA BAGAWAN																															
18	492	ANITA PAWAR																															
19	572	TABASUM JAMADAR																															
20	584	VIBHALAXMI D KANTIKARMATHSH																															
21	459	IRAMMA HUGGI																															
22	528	SAKKUBAI S CHAVAN																															
23	509	PREMA SARJAPUR																															
24	540	SHILPA																															
25	562	SPOORTHY SHIVASHARANA GUGGARI																															
26	578	UZMATHSABASUM Khatib																															
27	552	SHWETA ARALIMATHSH																															
28	428	BAVARAMMA																															
29	521	RESHMABEGUM B KOJAGER																															
30	560	SOUNDARYA M DESAI																															
31	416	ASHAMMABEGUM B KOJAGER																															
32	576	LIJWALA																															

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	447	DEEPA M KARANAL																															
34	586	VYAS D																															
35	457	HANAMANT ALLAGI																															
36	504	POOJA MYALAGI																															
37	421	ASMA JARDI																															
38	489	MOHAMMAD JARDI																															
39	455	GURUPAD BIRADAR																															
40	558	SOMANAGOUDA BASAVARAJ KONNUR																															
41	487	NINGAPPA BHASAGI																															
42	581	VIDYADHAR MANASURAGI																															
43	476	MAHMADASHEEF DEVARANAVADAGI																															
44	441	AMIT M RATHOD																															
45	543	SHIVANAGOUDA BIRADAR																															
46	448	DEVENDRA GUTTEDAR																															
47	505	PRAFUL KURUMALL																															
48	470	LAKSHMEESPUTR																															
49	570	SUVARNA BIRADAR																															
50	480	MALLIKARJUN BIRADAR																															

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
51	488	MOHAMMED SARFARAZ MANNUR																															
52	409	AMEER PATEL																															
53	420	ASIK																															
54	823	VISHALA																															
55	501	PAVAN TALAKERI																															
56	401	ABHISHEK KUCHABAL																															
57	514	RAMESHA																															
58	537	SHARANABASU BALAGANOOR																															
59	484	MANJUNATH BABALSHWAR																															
60	443	CHAITRA BIRADAR																															
61	458	HANAMANT KALASHETTI																															
62	573	LINGARAJ SALOTAGI																															
63	478	MALASHREE SHRISHAIL PUJAR																															
64	538	Shamangouda N.																															

HEAD
Dept. of Botany
G.P.P. & V.V.S. College
SINDGI - 506 128

Co-ordinator QAC
Porewal Arts, Coms & V. V. Salmath
Junco College, SINDGI-505128, DKVarese

Principal,
Porewal Arts, Coms. &
V. V. Salmath College,
SINDGI-505128, College-Care-524



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 2020-21.


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


Co-ordinator
G. P. Porwal Arts, Commerce & V. V. Salimath
Science College, SINDGI-586128, Dist:Vijapur


Principal
G. P. Porwal Arts, Commerce &
V. V. Salimath Science College,
SINDGI-586128, Dist:Vijapur



SPVVS'S

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



BROCHURE



DEPARTMENT OF BOTANY

**CERTIFICATE COURSE
2019-20**



TITLE: BONSAI TECHNIQUE

DATE: 01/08/2019 TO 25/09/2019



ssm
**HEAD
Dept. of Botany**

[Signature]
Co-ordinator IQAC
G. P. Porwal Arts, Comm & V. V. Salimath

[Signature]
Principal,
G. P. Porwal Arts, Comm. &
V. V. Salimath Science College



NAME OF THE COURSE

BONSAI TECHNIQUES

OFFERED BY

DEPARTMENT OF
BOTANY

COURSE CODE

CCBOTBT4

COURSE COORDINATOR

SMT. S.S. MUTTINPENDIMATH
HOD OF BOTANY



llm



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 2019-20. The continuation of these courses will depend on interest and participation of students.

D

llm

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.

SSM
HEAD


Co-ordinator IOAC


Principal

COURSE CONTENT

UNIT-I

10 Hrs

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

UNIT-II

10 Hrs

Characteristics of the art form and training of bonsai.

UNIT-III

10 Hrs

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

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 | : | Member |
| M.V.G.C. College. Muddebihal | | |

THANK YOU


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: S234

SPVVSS

**G.P. PORWAL ARTS, COMMERCE & V.V. SALIMATH SCIENCE COLLEGE AND
BHASKARACHARYA-II P.G CENTRE SINDGI – 586 128**

Affiliated to Rani Channamma University Belagavi (Karnataka State)
Accredited at B (2.42 CGPA) by NAAC

From:
The HOD,
Department of Botany
GPP & VVS College
Sindgi
Date: 20-07-2019

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 2019-20. We hope that the authority will consider the request and oblige.

Yours faithfully

Place: Sindgi
Date: 20-07-2019


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: 22/07/2019

Academic Year: 2019-20

To,
The Head,
Department of Botany

Sub: Permission to conduct Certificate Course.

Ref: Your letter dated 20/07/2019

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: 22/07/2019

Coordinator, IQAC


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

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

Department of Botany
Certificate Course: 2019-20

Certificate Course on Bonsai Technique

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 2019-20. 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 Fifth semester are eligible to enroll for the course.


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


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


Chairperson IQAC

Department of Botany

**Certificate Course
“BONSAI TECHNIQUE”
SYLLABUS**

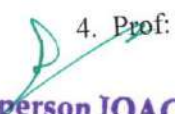
Unit: 1. Introduction, kinds of bonsai, classification based on size and style.	10 Hrs
Unit: 2. Characteristics of the art form and Training of Bonsai.	10 Hrs
Unit: 3. Requirements for starting a Bonsai, Pruning, Pinching, Watering, Manuring. Pests and Disease Control.	10 Hrs
Total	30 Hrs

PRACTICAL

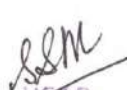
1. Selection of suitable species.
2. Shape and size of Bonsai plants.
3. Potting and repotting methods.
4. Watering, manuring and pruning.
5. Pests and diseases control.
6. Maintenance and marketing of bonsai plants

Board of Studies:

- | | |
|-----------------------------------|--------------------|
| 1. Prof. S.B.Goudappagoudar, | : Chairman and HOD |
| 2. Prof.Smt. S.S.Muttinpendimath, | : Member |
| 3. Prof.V.V.Jirali | : Member |
| 4. Prof: Sunil Natikar | : Member |


Chairperson IQAC


Coordinator IQAC
G. P. PORWAL ARTS, COM. &
BHASKARACHARYA-II P.G CENTRE SINDGI – 586 128


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

SPVVSS

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

Date: 29.7.19

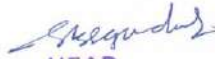
Circular

It is hereby informed to all the students of B.Sc. V Semester that Certificate course on “Bonsai Technique” will be started in our college from 1-08-2019. Hence interested students may apply on or before 25-07-2019.

Contact:

Prof. S.B.Goudappagoudar

Prof.(Smt).S.S.Muttinpendimath


HOD
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


Principal,
G.P.Porwal Arts, Comm. &
V.V.Salimath Sc. College
& P. G. Centre, SINDAGI

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

THEORY AND PRACTICAL TIME TABLE: 2019-20

DAY	TIME		NAME OF THE FACULTY
	Theory	Practical	
Monday	3.00pm - 4.00pm		1. Prof.S.B.Goudappagoudar
Tuesday	3.00pm - 4.00pm		2.Prof.Smt.S.S.Muttinpendimath
Wednesday	3.00pm - 4.00pm		1. Prof.S.B.Goudappagoudar
Thursday	3.00pm - 4.00pm		2.Prof.Smt.S.S.Muttinpendimath
Friday		2.00pm - 5.00pm	3. Prof.V.V.Jirali
Saturday		2.00pm - 5.00pm	4. Prof: Sunil. Natikar

Date: 26/7/2019


HOD


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

SPVVSS

**G.P. PORWAL ARTS, COMMERCE & V.V. SALIMATH SCIENCE COLLEGE AND
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
Certificate Course
Bonsai Technique (2019-20)**

Students enrolled for certificate course

Sl.No	Name of the students	Class
1	Sukruta.Pattanshetti	B. Sc.V Sem
2	Savitri	B. Sc.V Sem
3	Bhemanagouda Korwar	B. Sc.V Sem
4	Siddram	B. Sc.V Sem
5	Phirdhosh Begum	B. Sc.V Sem
6	Seema Kembhavi	B. Sc.V Sem
7	Ismailsab	B. Sc.V Sem
8	Jyoti Angadi	B. Sc.V Sem
9	Namrata.Subhas	B. Sc.V Sem
10	Nikitha math	B. Sc.V Sem
11	Pavitra Rogi	B. Sc.V Sem
12	Preeti Mathpati	B. Sc.V Sem
13	Dhaneshwari .Hugar	B. Sc.V Sem
14	Vijaykumar .Pattar	B. Sc.V Sem
15	Mahantesh.Sankanlal	B. Sc.V Sem
16	Sheela Hattarki	B. Sc.V Sem
17	Manjunath.patil	B. Sc.V Sem
18	Pradeep.Ghanti	B. Sc.V Sem
19	Sangmesh.Desai	B. Sc.V Sem
20	Vidyashree	B. Sc.V Sem
21	Arif Tamboli	B. Sc.V Sem
22	Prakash	B. Sc.V Sem
23	Srinivas.Patil	B. Sc.V Sem
24	Mallamma	B. Sc.V Sem
25	Ninganagouda.Patil	B. Sc.V Sem
26	Pooja.Teggihalli	B. Sc.V Sem
27	Laxmi.Talawar	B. Sc.V Sem
28	Siddanna.Mahadeva	B. Sc.V Sem
29	Bhayashree	B. Sc.V Sem
30	Shivshankar	B. Sc.V Sem
31	Krishna.Kulkarni	B. Sc.V Sem
32	Revubai	B. Sc.V Sem

HEAD
Dept. of Botany
G.P. & V.V.S. College

Coordinator IQAC

Chairperson IQA

SPVVSS

**G.P. PORWAL ARTS, COMMERCE & V.V. SALIMATH SCIENCE COLLEGE AND
BHASKARACHARYA-II P.G CENTRE SINDGI – 586 128**

Affiliated to Rani Channamma University Belagavi (Karnataka State)
Accredited at B (2.42 CGPA) by NAAC

33	Pawankumar	B. Sc.V Sem	Bar
34	Mahesh	B. Sc.V Sem	rs. B. B. B.
35	Mahesh.Biradar	B. Sc.V Sem	ms
36	Ragvendra	B. Sc.V Sem	R. B.
37	Adarsh.Laxman Hachadad	B. Sc.V Sem	A. B.
38	Rashmi.Kyasa	B. Sc.V Sem	Expend
39	Smita.Shantagouda.Patil	B. Sc.V Sem	S. B.
40	Deepa	B. Sc.V Sem	De. B.
41	Romankousar.Karnoor	B. Sc.V Sem	R. B.
42	Shahanwaj.Hosmani	B. Sc.V Sem	Sh. B.
43	Megha.B.Kumar	B. Sc.V Sem	M. B.
44	Ayesha.Samreen	B. Sc.V Sem	A. B.
45	Kavita	B. Sc.V Sem	K. B.
46	Nikitha.	B. Sc.V Sem	N. B.
47	Sharangouda.Nagavi.	B. Sc.V Sem	S. B.

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

Principal,
G.P.Porwal Arts, Comm. &
V.V.Salimath Sc. College
& P. G. Centre, SINDAGI

SPVVSS

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

	Date	Time
THEORY	3/10/2019	9.00-11.00am
PRACTICAL	Ist Batch - 14/10/2019	9.00-12.00pm
	IInd Batch - 14/10/2019	1.00 - 4.00pm

Date: 25/9/2019


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


Principal,
G.P.Porwal Arts, Comm. &
V.V.Salimath Sc. College
& P. G. Centre, SINDAGI


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

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**G.P. PORWAL ARTS, COMMERCE & V.V. SALIMATH SCIENCE COLLEGE AND
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Affiliated to Rani Channamma University Belagavi (Karnataka State)
Accredited at B (2.42 CGPA) by NAAC

Department of Botany
Certificate Course
Bonsai Technique
(B.Sc V Semester Only)

Time: 2 Hrs

Question Paper 2019-20

Max. Marks: 50

Answer any five of the followings: 10X5=50

1. Explain Bonsai types.
2. Describe styles of bonsai.
3. Explain characteristics of bonsai.
4. Describe different styles of Bonsai procedures.
5. List plants suitable for bonsai.
6. Write diseases of Bonsai plants.
7. Mention the different methods of treating pests and the diseases of Bonsai plants.


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Department of Botany
Certificate Course
Bonsai Technique
(B.Sc V Semester Only)

Time: 2 Hrs

Question Paper 2019-20

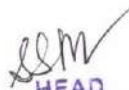
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Answer any five of the followings: 10X5=50

1. Explain Bonsai types.
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COLLEGE, SINDAGI-586128**

Department of Botany
Certificate Course 2019-20
Bonsai Technique

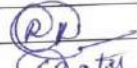
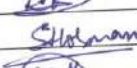
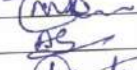
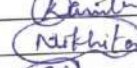
THEORY EXAMINATION ATTENDANCE

Sl.No	Name of the student	Class	Signature
1	Sukruta.Pattanshetti	B. Sc.V Sem	SP
2	Savitri	B. Sc.V Sem	Savitri
3	Bhemanagouda Korwar	B. Sc.V Sem	BB
4	Siddram	B. Sc.V Sem	Siddram
5	Phirdhosh Begum	B. Sc.V Sem	Ph
6	Seema Kumbhavi	B. Sc.V Sem	Se
7	Ismailsab	B. Sc.V Sem	IS
8	Jyoti Angadi	B. Sc.V Sem	JA
9	Namrata.Subhas	B. Sc.V Sem	Namrata
10	Nikitha math	B. Sc.V Sem	NM
11	Pavitra Rogi	B. Sc.V Sem	PR
12	Preeti Mathpati	B. Sc.V Sem	PM
13	Dhaneshwari .Hugar	B. Sc.V Sem	DH
14	Vijaykumar .Pattar	B. Sc.V Sem	VP
15	Mahantesh.Sankanai	B. Sc.V Sem	MS
16	Sheela Hattarki	B. Sc.V Sem	SH
17	Manjunath.patil	B. Sc.V Sem	MP
18	Pradeep.Ghanti	B. Sc.V Sem	PG
19	Sangmesh.Desai	B. Sc.V Sem	SD
20	Vidyashree	B. Sc.V Sem	VS
21	Arif Tamboli	B. Sc.V Sem	AT
22	Prakash	B. Sc.V Sem	PK
23	Srinivas.Patil	B. Sc.V Sem	SP
24	Mallamma	B. Sc.V Sem	ML
25	Ninganagouda.Patil	B. Sc.V Sem	NP
26	Pooja.Teggihalli	B. Sc.V Sem	PT
27	Laxmi.Talawar	B. Sc.V Sem	LT
28	Siddanna.Mahadeva	B. Sc.V Sem	SM
29	Bhayashree	B. Sc.V Sem	BS
30	Shivshankar	B. Sc.V Sem	SS
31	Krishna.Kulkarni	B. Sc.V Sem	KK
32	Revubai	B. Sc.V Sem	RV
33	Pawankumar	B. Sc.V Sem	PK
34	Mahesh	B. Sc.V Sem	MA
35	Mahesh.Biradar	B. Sc.V Sem	MB
36	Ragvendra	B. Sc.V Sem	RG
37	Adarsh.Laxman Hachadad	B. Sc.V Sem	AL

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Chairperson IQAC

38	Rashmi.Kyasa	B. Sc.V Sem	
39	Smita.Shantagouda.Patil	B. Sc.V Sem	
40	Deepa	B. Sc.V Sem	
41	Romankousar.Karnoor	B. Sc.V Sem	
42	Shahanwaj.Hosmani	B. Sc.V Sem	
43	Megha.B.Kumar	B. Sc.V Sem	
44	Ayesha.Samreen	B. Sc.V Sem	
45	Kavita	B. Sc.V Sem	
46	Nikitha.	B. Sc.V Sem	
47	Sharangouda.Nagavi.	B. Sc.V Sem	


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COLLEGE,SINDAGI-586128**

**Department of Botany
Certificate Course 2019-20**

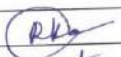
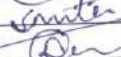
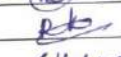
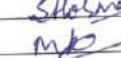
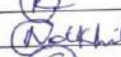
**Bonsai Technique
PRACTICAL EXAMINATION ATTENDANCE**

Sl.No	Name of the students	Class	Signature
1	Sukruta.Pattanshetti	B. Sc.V Sem	
2	Savitri	B. Sc.V Sem	
3	Bhemanagouda Korwar	B. Sc.V Sem	
4	Siddram	B. Sc.V Sem	
5	Phirdhosh Begum	B. Sc.V Sem	
6	Seema Kembhavi	B. Sc.V Sem	
7	Ismailsab	B. Sc.V Sem	
8	Jyoti Angadi	B. Sc.V Sem	
9	Namrata.Subhas	B. Sc.V Sem	
10	Nikitha math	B. Sc.V Sem	
11	Pavitra Rogi	B. Sc.V Sem	
12	Preeti Mathpati	B. Sc.V Sem	
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14	Vijaykumar .Pattar	B. Sc.V Sem	
15	Mahantesh.Sankanai	B. Sc.V Sem	
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19	Sangmesh.Desai	B. Sc.V Sem	
20	Vidyashree	B. Sc.V Sem	
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35	Mahesh.Biradar	B. Sc.V Sem	
36	Ragvendra	B. Sc.V Sem	
37	Adarsh.Laxman Hachadad	B. Sc.V Sem	

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38	Rashmi.Kyasa	B. Sc.V Sem	
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45	Kavita	B. Sc.V Sem	
46	Nikitha.	B. Sc.V Sem	
47	Sharangouda.Nagavi.	B. Sc.V Sem	

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Coordinator IQAC
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 SINDGI-586128


Chairperson IQAC

NOTICE 2019-20

It is hereby informed to the faculty members of certificate course of in Botany subject that the meeting is held on 13.7.19 with following agenda.

- 1) Intimation of the certificate course of Bonsai Technique to the students
2. Syllabus & workload distribution
3. Issuing & receiving application forms.
- 4) Commencement of classes.

11.7.19.

Members.

Coordinator IQAC
Chairperson IQAC &
V.V. SALIMATH Sc. College
 586128

Principal R.S. Bhooshan

Prof. S.B. Goudappagendar

Prof. S.S. Muthinpendimath

Prof. V.V. Tirali

Prof. Sunil Natikar

Prof. S.V. Gurusomath

Meeting resolutions

Meeting was conducted on 13.7.19 & following resolutions were undertaken

Intimation of certificate course to the students through notice

Syllabus & workload was distributed among the teaching faculty members.

Application ^{form} will be given to the interested students & filled forms are collected

Theory classes will be commencing from 1.8.19. Accordingly Time Table was prepared.

Members.

Principal R.S.B. **PRINCIPAL,**

Prof. S.B.G. **emend**

Prof. S.S.M. **SSM**

Prof. V.V. Tirali

6) Prof. S.V. Gurusomath. **S.V. Gurusomath**

Chairperson IQAC
G.P.P. & V.V.S. College
HEAD

Notice

It is hereby informed to the ~~sto~~ faculty members of certificate course in Botany Subject that the meeting is held on 23.9.19 with following agenda.

- 1) Conducting theory & practical examination
2. Informing the students about examination
3. Evaluation of papers 4) Display of marks 5) Result announcement 6) Distribution of certificates.

21.9.19

Members

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

PRINCIPAL,

1. Principal R.S. Bhoosheth

2) Prof S.B. Gondappagundar

3) Prof S.S. Muthupendimath

4) Prof V.V. Tirah

5) Prof Sunil Nahkas

6) Prof S.V. Prusumath

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Dept. of Botany

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

Meeting Resolutions.

- Meeting was conducted on 23.9.19 & the following resolutions were undertaken
1. To propose Time Table for theory & practical examination fo was prepared.
 2. It will be informed to the students through notice
 - 3) Evaluation of papers, display & arrangement of result
 - 4) Certificates will be distributed to the students

Members

1. Principal R.S. Bhoosheth

2 Prof S.B. Gondappagundar

3. Prof S.S. Muthupendimath

4) Prof V.V. Tirah

5) Prof Sunil Nahkas

PRINCIPAL,

[Signature]

[Signature]

[Signature]

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Dept. of Botany

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

Coordinator IQAC

G. P. PORWAL ARTS, COM. &
V.V.S. LIMATH Sc. College,
SINDGI-586128



44/50

CLASS	Vem	SUBJECT	
ROLL NO.	61724296	DATE	

3) Explain characteristics of Bonsai.

1) A bonsai distinct from other plants mainly by virtue of its tree-like shape and appearance. It should 1stly have the common attributes of its bigger counterparts in nature. Bonsai are different from ordinarily potted plants because to all intents and purposes they look like full grown trees albeit on a miniature scale.

2) But to look like a tree a bonsai should have the following characteristics of a tree - 1) it should have a tapering trunk line; 2) an abundance of branches reaching out in all directions; 3) a good spread of roots emerging from the base at the level of the soil disappearing into the soil gradually so as to denote stability and agedness.

PRINCIPAL,

4) A tree as natural looking as possible with reference to its species;

5) A pot which is in aesthetic and visual proportion to the tree, neither too big nor too small, both together forming a harmonious unity.

The Branches too should have a Pattern.
The 1st branch should emerge from about $\frac{1}{3}$ rd of the tree's height above the base. The second branch should emerge from the opposite side of the trunk but slightly from a level higher than the 1st branch.

The third branch again from the side of the trunk opposite the second branch a branch growing from the back of the trunk away from the front to give a third dimension to the tree.

4) Describe different Styles of Bonsai - Procedures.

Bonsai Shapes and Styles

over the types years many styles to classify bonsai trees have been advanced. closely resembling circumstances in nature. These styles are open to personal interpretation and creativity meaning that trees do not necessarily need to conform to any form.

Still, the styles are important to gain a basic understanding of shapes and should serve as guidelines to success - fully with train miniature trees.

1) Broom Style Bonsai (Hokidachi)

The broom style is suited for deciduous trees with extensive, fine branching.

The trunk is straight and upright & does not continue to the top of tree

V3 the height of the tree. The branches and leaves form a ball-shaped crown which is also a stunning sight - during winter months.

2) Formal upright Bonsai Style (chokkan)
The formal upright style is a very common form of Bonsai. This style often occurs in nature, especially when the tree is exposed to lots of light and does not face the problem of the upright-growing trunk must be clearly visible. The trunk must therefore thicken at the bottom and must grow increasingly thinner with the height.

3) Informal upright Bonsai Style (mayogi)
The informal upright style is common in both nature and in the art of Bonsai. The trunk grows upright roughly in the shape of letter 'S' and at every turn branching occurs. Tapering of the trunk must be clearly visible with the base of the trunk thicker than the higher portion.

PRINCIPAL

5) List plants suitable for Bonsai.

The art of Bonsai has developed over hundreds of years. It is still popular worldwide for a good reason.

* Some best Bonsai plants for home names with below.

1) Japanese maple

The Japanese maple (*Acer palmatum*)

- Chosen primarily for Bonsai, due to its leaves, colour, and its adaptability to form Bonsai.

in addition, there are countless varieties and bonsai trees can be grown in different styles.

2) Dwarf Schefflera

It is one of most popular Bonsai trees for its amazing characteristics. Special features of Dwarf Schefflera include drought-resistant and hard to kill and low maintenance.

3) Indian Laurel Fig

A Stunning tree specimen, the Indian Laurel Fig, or *Ficus Retusa*, is another variety that is great for beginners - it is easily cured of pruning mistakes. It is a spectacular indoor plant due to its tropical origin and preference for bright indirect light.

4) Bodhi tree

It is commonly referred to as the Sacred fig, Peepal tree and bo tree. It makes an excellent bonsai. The body is a hardy plant that grows rapidly and forms aerial roots. It has an attractive shiny heart-shaped foliage that appears in a bronze colour, which later plants turn bright green when the leaves mature. Also in Bonsai culture, the leaves can be reduced.



CLASS

SUBJECT

ROLL NO.

DATE

6) Write diseases of Bonsai plants

Common Bonsai diseases and pests to look out for.

Bonsai trees are susceptible to a variety of pests and diseases, which can cause damage to the leaves, bark, and roots to the tree. Here is a detailed guide some common Bonsai diseases and pests to look out for.

- 1) Scale insects:- Scale insects are small oval shaped insects that attach themselves to the leaves, stems and bark of Bonsai trees. They can cause yellowing of the leaves and stunted growth. To treat scale insects, remove them from the tree with a soft brush and apply insecticidal soap.

- 2) Spider mites:- Spider mites are tiny, red or brown insects that spin webs on the leaves of Bonsai trees.

They can cause yellowing of the leaves and leaf drop. To treat spider mites wash the leaves with a strong spray of water and supply insecticidal soap.

- 3) Aphids:- Aphids are small, pear-shaped insects that suck the sap from the

- the leaves and stems of Bonsai trees. They can cause leaf curling and stunted growth. To treat aphids, wash the leaves with a strong spray of water and apply insecticidal soap.

4) Root rot :- Root rot is a fungal disease that affects the roots of Bonsai trees, causing them to turn brown and mushy. It can be caused by overwatering or poorly-drained soil. To treat root rot, remove the affected roots and repot the tree in fresh, well-drained soil.

5) Powdery mildew :- Powdery mildew is a fungal disease that appears as a white, powdery substance on the leaves and stems of Bonsai trees. It can cause leaf drop and stunted growth.

6) Leaf Spot :- Leaf spot is a bacterial disease that appears as small, dark spots on the leaves of Bonsai trees. It can cause leaf drop and weaken the tree. To treat leaf spot, remove affected leaves and apply a copper fungicide.

7) Mosaic Virus :- Mosaic virus is a disease that can cause mottled or distorted leaves on Bonsai trees.

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

1) Mention the different methods of treating diseases of Bonsai plants.

Improper care can cause your tree to become sick or stressed, making it more susceptible to illness and disease.

* A strong healthy plant is much less likely to contract viruses or develop fungi and moulds. So the best prevention is to give your tree ~~everything~~ it needs to stay in good health and protect itself from bacteria and disease.

You can prevent Bonsai tree diseases by

- 1) keeping your tree clean and free of dust and debris.
- 2) keeping soil free of fallen blooms, fruit or leaves.
- 3) making sure that soil is properly aerated, not too compacted, and replenished when needed.
- 4) Repotting to prevent your plant from becoming pot bound.
- 5) Apply fertilizer correctly.
- 6) using proper "Pruning techniques" & applying wound paste to encourage healing.

PRINCIPAL

Treat of Bonsai tree Diseases

Once you discover the presence of disease, the 1st Priority to make sure that you prevent it from spreading to the rest of the tree or to other plants in your collection. It is important to examine your bonsai regularly for signs of illness or infection.

If left unattended some Bonsai diseases can cause severe damage, or even death.

If your plant becomes infected, you should:

- 1) Immediately remove your tree to a secluded location away from other plants to prevent cross-contamination or the spread of disease and infection.
- 2) Remove all affected or infected growth.
- 3) Spray healthy foliage with a recommended fungicide.
- 4) Check for possible causes of diseases such as root rot, poor ventilation or over-moist soil.
- 5) Sterilise all tools used in pruning the affected tree.
- 6) Place the treated tree in a well-ventilated area with proper lighting to prevent reinfection.

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**Department of Botany
Certificate Course
Bonsai Technique**

Statement of marks 2019-20

Sl.No	Name of the students	Class	Marks		Remark
			Theory Marks	Practical Marks	
1	Sukruta.Pattanshetti	B. Sc.V Sem	48	45	Pass
2	Savitri	B. Sc.V Sem	45	48	Pass
3	Bhemanagouda Korwar	B. Sc.V Sem	46	48	Pass
4	Siddram	B. Sc.V Sem	47	45	Pass
5	Phirdhosh Begum	B. Sc.V Sem	45	46	Pass
6	Seema Kembhavi	B. Sc.V Sem	48	47	Pass
7	Ismailsab	B. Sc.V Sem	47	45	Pass
8	Jyoti Angadi	B. Sc.V Sem	44	48	Pass
9	Namrata.Subhas	B. Sc.V Sem	43	45	Pass
10	Nikitha math	B. Sc.V Sem	46	45	Pass
11	Pavitra Rogi	B. Sc.V Sem	48	48	Pass
12	Preeti Mathpati	B. Sc.V Sem	45	48	Pass
13	Dhaneshwari .Hugar	B. Sc.V Sem	46	45	Pass
14	Vijaykumar .Pattar	B. Sc.V Sem	47	46	Pass
15	Mahantesh.Sankanai	B. Sc.V Sem	45	47	Pass
16	Sheela Hattarki	B. Sc.V Sem	48	45	Pass
17	Manjunath.patil	B. Sc.V Sem	47	48	Pass
18	Pradeep.Ghanti	B. Sc.V Sem	44	45	Pass
19	Sangmesh.Desai	B. Sc.V Sem	43	48	Pass
20	Vidyashree	B. Sc.V Sem	48	48	Pass
21	Arif Tamboli	B. Sc.V Sem	45	45	Pass
22	Prakash	B. Sc.V Sem	46	46	Pass
23	Srinivas.Patil	B. Sc.V Sem	47	47	Pass
24	Mallamma	B. Sc.V Sem	45	45	Pass
25	Ninganagouda.Patil	B. Sc.V Sem	48	48	Pass
26	Pooja.Teggihalli	B. Sc.V Sem	48	45	Pass
27	Laxmi.Talawar	B. Sc.V Sem	45	45	Pass
28	Siddanna.Mahadeva	B. Sc.V Sem	46	48	Pass
29	Bhayashree	B. Sc.V Sem	47	48	Pass
30	Shivshankar	B. Sc.V Sem	45	45	Pass
31	Krishna.Kulkarni	B. Sc.V Sem	48	46	Pass

HEAD
Dept. of Botany

Signature

Chairperson IOAC

SPVVSS

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32	Revubai	B. Sc.V Sem	48	45	Pass	RM
33	Pawankumar	B. Sc.V Sem	45	48	Pass	PP
34	Mahesh	B. Sc.V Sem	46	48	Pass	Mahesh
35	Mahesh.Biradar	B. Sc.V Sem	47	45	Pass	MB
36	Ragvendra	B. Sc.V Sem	45	46	Pass	Ragvendra
37	Adarsh.Laxman Hachadad	B. Sc.V Sem	48	47	Pass	Adarsh
38	Rashmi.Kyasa	B. Sc.V Sem	47	45	Pass	Rashmi
39	Smita.Shantagouda.Patil	B. Sc.V Sem	44	48	Pass	Smita
40	Deepa	B. Sc.V Sem	43	45	Pass	Deepa
41	Romankousar.Karnoor	B. Sc.V Sem	46	45	Pass	Romankousar
42	Shahanwaj.Hosmani	B. Sc.V Sem	48	48	Pass	Shahanwaj
43	Megha.B.Kumar	B. Sc.V Sem	45	48	Pass	Megha
44	Ayesha.Samreen	B. Sc.V Sem	46	45	Pass	Ayesha
45	Kavita	B. Sc.V Sem	47	46	Pass	Kavita
46	Nikitha.	B. Sc.V Sem	45	47	Pass	Nikitha
47	Sharangouda.Nagavi.	B. Sc.V Sem	48	45	Pass	Sharangouda

HOD

SSM
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

Principal,
G.P.Porwal Arts, Comm. &
V.V.Salimath Sc. College
& P. G. Centre, SINDAGI



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 2019-20.


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


IQAC
Coordinator
G. P. Porwal Arts, Commerce & V. V. Salimath
Science College, SINDGI-586128, Dt. Vijayapur


Principal
G. P. Porwal Arts, Commerce &
V. V. Salimath Sc. College,
SINDGI-586128, College Code: 5238



SPVVS'S

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

BROCHURE



DEPARTMENT OF BOTANY

**CERTIFICATE COURSE
2018-19**



TITLE: BONSAI TECHNIQUE

DATE: 01/08/2018 TO 21/09/2018




**HEAD
Dept. of Botany**


Co-ordinator INAC


Principal,



NAME OF THE COURSE

BONSAI TECHNIQUES

OFFERED BY

DEPARTMENT OF
BOTANY

COURSE CODE

CCBOTBT4

COURSE COORDINATOR

SMT. S.S. MUTTINPENDIMATH
HOD OF BOTANY



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 2018-19. 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.


HEAD
Dept. of Botany


Co-ordinator LOAC


Principal
- in Charge Arts, Comm. &

COURSE CONTENT

UNIT-I

10 Hrs

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

UNIT-II

10 Hrs

Characteristics of the art form and training of bonsai.

UNIT-III

10 Hrs

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

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 | : | Member |
- M.V.G.C. College. Muddebihal

THANK YOU


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. D.Vijayapur


Principal
G. P. Porwal Arts, Comm & V. V. Salimath
V. V. Salimath Sc. College,
SINDGI-586128. College Code: 5224

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

SUBJECT : Botany			B.SC. V SEMESTER										CERTIFICATE COURSE										2018-19										
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		LAVANYA JYOTTEPA VAGARE																															
2		VIJAYA KANTU CHAVAN																															
3		AVINASH C HIREMATH																															
4		RAVI KARIBASAPPA BADIIGER																															
5		PRATIBHA MALLAPPA KARNAL																															
6		SOUMYA SUBHASGOUD PATIL																															
7		DEEPA LAGAMANNA PUJARI																															
8		PADMAVATI BASAPPA																															
9		TANUJA SUBHAS UPPIN																															
10		SUSHMA LINGARAJ IVANI																															
11		MAHESH MAHANTAPPA JALAWADI																															
12		SANA CHANDASAB																															
13		ASHWINI MANAPPA																															
14		KHAJABI KHADARBHASHA																															

HEAD
Dept. of Botany
G.P.P. & V.V.S. College

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

Principal,
P. Porwal Arts, Comm. &
V. V. Salimath Sc. College,
SINDGI-586128, (Golanada-504)

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		VIJAYALAKSHMI NIGANNA NAIKODI																															
16		BHAGESH MALLANNA																															
17		IMAMKASIM KAMALASAB SHEKH																															
18		FEROJA IBRAHIM CHOWDHARI																															
19		TEJU JAYARAM CHAVAN																															
20		SOUMYA ASHOK KULKARNI																															
21		AKKAMMA K. MALLIMANI																															
22		SUKANYA SATTALINGAPPA JIDDAGI																															
23		BHUVANESHWARI D. MOODAGI																															
24		GURURAJ SHIVASHANKAR JAMBAGI																															
25		SATYAVVA ARJUN CHAMBAR																															

HEAD
Dept. of Botany
G.P.P. & V.V.S. College
SINDGI - 586128

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

Principal,
G. P. Porwal Arts, Comm. &
V. V. Salimath Sc. College,
SINDGI-586128, College Code: 504

Department of Botany

2018-19

20.6.2018

NOTICE

It is hereby informed to the faculty members of Certificate Course in Botany Subject on "Bonsai Technique" that the meeting will be held on 2.7.2018 for formation of BOS of Certificate course in Principal chamber at 12.30pm

1. Prof. R. S. Bhooshetti Principal, Principal,
1. Prof. S. B. Goudappagondas Co-ordinator Co-ordinator
2. Prof. Smt S. S. Muthinpendimath. +/Hm
3. Prof. V. V. Tirali
4. Prof. Sunil. Natikar

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

Chairperson IOAC
G. P. PORWAL ARTS, COM. Dept. of Botany
V. V. BALIMATH Sc. College, P. P. & V. V. B. College
SINDGI - 586128

Meeting was held on 2.7.2018 at Principal chamber for formation of BOS of Certificate Course on Bonsai Technique with the faculty members of department of Botany.

Formation of BOS Committee as below.

- 1) Prof. R. S. Bhooshetti, Principal Chairman
- 2) Prof. S. B. Goudappagondas Co-ordinator
- 3) Prof. S. S. Muthinpendimath Member
- 4) Prof. V. V. Tirali Member
- 5) Prof. Sunil Natikar Member

The following subjects were discussed.

1. Framing of Syllabus for 30 months ^{Hours}
2. Appointment of teaching & non teaching

Department of Botany

2018-19

30.6.2018

NOTICE

It is hereby informed to the faculty members of Certificate Course in Botany Subject on "Bonsai Technique" that the meeting will be held on 2.7.2018 for formation of BOS of Certificate course in Principal chamber at 12.30pm

1. Prof R.S. Bhooshetti Principal, Principal,
1. Prof S.B. Goudappagondar. Co-ordinator
2. Prof Smt S.S. Muthinpendimath. Member
3. Prof V.V. Jisali
4. Prof Sunil Natikar

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

Chairperson IOAC
G. P. PORWAL ARTS, COM. Dept. of Botany
V.V. SALIMATH Sc. College, P.P. & V.V.B. College
SINDGI-586128

Meeting was held on 2.7.2018 at Principal chamber for formation of BOS of Certificate Course on Bonsai Technique with the faculty members of department of Botany.

Formation of BOS Committee as below.

- 1) Prof. R.S. Bhooshetti, Principal Chairman
- 2) Prof S.B. Goudappagondar. Co-ordinator
- 3) Prof S.S. Muthinpendimath Member
- 4) Prof V.V. Jisali Member
- 5) Prof Sunil Natikar Member

The following subjects were discussed.

1. Framing of Syllabus for 30 months ^{Hours}
2. Appointment of teaching & non teaching

3. Preparation of theory and Practical time Table. The information to the students
 - 4) Theory and Practical work load & its distribution
 - 5) Application form to the students
- The following faculty members are present in the meeting

1. Principal R.S. Bhooshetti chairman
2. Prof. S.B. Goudappagandar. Coordinator
3. Prof. S.S. Muthinpendimath
4. Prof. V.V. Jirali
5. Prof. Sunil Natikar
6. Prof. S.V. Lurumath

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

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

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

Resolutions of the meeting

1. Syllabus framed.
 2. Teaching and non teaching faculty appointed by the chairman.
 3. Theory & practical time table was prepared.
 4. Theory & practical work load distributed
 5. Application form will be given to the interested students & collected back.
- Principal R.S. Bhooshetti **Chairman** Principal,
Prof. S.B. Goudappagandar. **Coordinator**
Prof. S.S. Muthinpendimath
Prof. V.V. Jirali
Prof. Sunil Natikar
Prof. S.V. Lurumath **MVC Muddebihal**

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

NOTICE

It is hereby informed to the staff members of Certificate Course in Botany that the meeting will be held on 28.7.18 with following agenda.

1. To conduct practical exam & theory ^{classes} examination.
- All are requested to attend the meeting.

1. Principal R. S. Bhooshetti

2. Prof. S. B. Goudappagundar

3. Prof. S. S. Muthupendimath

4. Prof. V. V. Tirali

5. Prof. Sunil Natikar

7.8.18

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

Chairperson IQAC
G. P. PORWALARTS, COM. &
V.V. SALIMATH Sc. College,
SINDGI - 586128

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

The meeting was conducted on 9.8.18 and the following resolutions were made.

- 1) Scheme for practical ^{classes} exam was decided to prepare ^{conspectus}.
- 2) The question paper for certificate course should be prepared & to start the classes from 1.8.2018.

1) Principal R. S. Bhooshetti

2) Prof. S. B. Goudappagundar

3) Prof. S. S. Muthupendimath

4) Prof. V. V. Tirali

5) Prof. Sunil Natikar

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

Chairperson IQAC
G. P. PORWALARTS, COM. &
V.V. SALIMATH Sc. College,
SINDGI - 586128

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

NOTICE

is hereby informed to the staff members
the certificate course in botany that
meeting is held on 27.9.18 with
following agenda.

conducting theory and practical exam
evaluation of the papers
display of marks & result announcement
distribution of certificate

18

Coordinator IQAC

G. P. PORWALARTS, COM. &
V.V.SALIMATH Sc. College,

Faculty Members

Principal R.S. Bhoosheth

S.B. Gondappagoudar

S.S. Muthupendimath

V.V. Jirali

Sunil. Natikar

PRINCIPAL,

HEAD

Dept. of Botany

G.P.P. & V.V.S. College

SINDGI - 586 128

Resolutions of the meeting

the meeting was conducted on 27.9.18
the following resolutions were undertaken
variation for conducting practical

exam was decided & the date for both

theory & practical exam was decided

theory - 4.10.18 - time - 9am to 11.00 am for 50 marks

practical 1st batch - 8.10.18 - time 9am to 12.00 pm

2nd batch 8.10.18 time 1pm to 4.00 pm

for 50 marks

exam evaluation should be done.

display & announcement of result

distribution of certificate to the students

Principal R.S. Bhoosheth

S.B. Gondappagoudar

S.S. Muthupendimath

4) Prof V.V. Jirali

5) Prof Sunil Natikar

SPVVSS

**G.P. PORWAL ARTS, COMMERCE & V.V. SALIMATH SCIENCE COLLEGE AND
BHASKARACHARYA-II P.G CENTRE SINDGI – 586 128**

Affiliated to Rani Channamma University Belagavi (Karnataka State)

Accredited at B (2.42 CGPA) by NAAC

From:
The HOD,
Department of Botany
GPP & VVS College
Sindgi
Date: 10-07-2018

To,
The Principal,
GPP & VVS College,
Sindgi

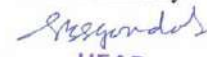
Sub: Permission to start certificate course on "Bonsai Technique"

R/Sir,

We the faculty members of Department of Botany have decided to start Certificate course on "Bonsai Technique" for B.Sc. V Sem students. Hence, we kindly request you to please give the permission to start the Certificate course for the academic year 2018-19. We hope that the authority will consider the request and oblige.

Place: Sindgi
Date: 10-07-2018

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


Principal,
G.P.Porwal Arts, Comm. &
V.V.Salimath Sc. College
& P. G. Centre, SINDGI

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: 11/07/2018

To,
The Head,
Department of Botany

Academic Year: 2018-19

Sub: Permission to conduct Certificate Course.

Ref: Your letter dated 10/07/2018

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: 11/07/2018

Coordinator, IQAC


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

SPVVSS

**G.P. PORWAL ARTS, COMMERCE & V.V. SALIMATH SCIENCE COLLEGE AND
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
Certificate Course: 2018-19

Certificate Course on Bonsai Technique

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 2018-19. 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 Fifth semester are eligible to enroll for the course.


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


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


Principal,
G.P.Porwal Arts, Comm. &
V.V.Salimath Sc. College
& P. G. Centre, SINDAGI

SPVVSS

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

**Certificate Course
“BONSAI TECHNIQUE”
SYLLABUS**

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

Total 30 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:

1. Prof. S.B.Goudappagoudar, : Chairman and HOD

2. Prof.Smt. S.S.Muttinpendimath, : Member

3. Prof.V.V.Jirali : Member

4. Prof: Sunil Natikar : Member

Coordinator IQAC
G. P. PORWAL ARTS, COMM. &
V.V.SALIMATH Sc. College,

S. B. Goudar
HEAD
Dept. of Botany
G.P.P. & V.V.S. Coll
SINDGI - 586 128

Sunil Natikar
Principal,
G.P.Porwal Arts, Comm. &
V.V.Salimath Sc. College
& P. G. Centre, SINDGI

SPVVSS

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

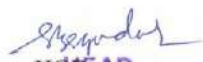
Circular

It is hereby informed to all the students of B.Sc. V Semester that Certificate course on “Bonsai Technique” will be started in our college from 1-08-2018. Hence interested students may apply on or before 25-07-2018.

Contact:

Prof. S.B.Goudappagoudar

Prof.(Smt).S.S.Muttinpendimath


HOD
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


Principal,
G.P.Porwal Arts, Comm. &
V.V.Salimath Sc. College
& P. G. Centre, SINDGI

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

THEORY AND PRACTICAL TIME TABLE: 2018-19

DAY	TIME		NAME OF THE FACULTY
	Theory	Practical	
Monday	3.00pm - 4.00pm		Prof.S.B.Goudappagoudar
Tuesday	3.00pm - 4.00pm		Prof.Smt.S.S.Muttinpendimath
Wednesday	3.00pm - 4.00pm		Prof.V.V.Jirali
Thursday	3.00pm - 4.00pm		Prof: Sunil. Natikar
Friday		2.00pm - 5.00pm	Prof.V.V.Jirali
Saturday		2.00pm - 5.00pm	Prof: Sunil. Natikar

Date: 26/7/2018

HOD


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

SPVVSS

**G.P. PORWAL ARTS, COMMERCE & V.V. SALIMATH SCIENCE COLLEGE AND
BHASKARACHARYA-II P.G CENTRE SINDGI – 586 128**

Affiliated to Rani Channamma University Belagavi (Karnataka State)
Accredited at B (2.42 CGPA) by NAAC

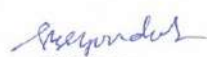
**Department of Botany
Certificate Course
Bonsai Technique (2018-19)**

Students enrolled for certificate course

Sl.No	Name of the students	Class
1	AKKAMMA MALLIMANI	B. Sc.V Sem
2	ASHWINI	B. Sc.V Sem
3	AVINASH	B. Sc.V Sem
4	BHAGESH	B. Sc.V Sem
5	DEEPA LAGAMANNA PUJARI	B. Sc.V Sem
6	FEROJA I CHOWDHARI	B. Sc.V Sem
7	GURURAJ	B. Sc.V Sem
8	IMAMKASIM SHEKH	B. Sc.V Sem
9	KHAJABI	B. Sc.V Sem
10	LAVANYA VAGARE	B. Sc.V Sem
11	MAHESH JALAWADI	B. Sc.V Sem
12	PADMAVATI B SASNOOR	B. Sc.V Sem
13	PRATIBHA KARNAL	B. Sc.V Sem
14	RAVI BADIGER	B. Sc.V Sem
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23	VIJAYA CHAVAN KANTU	B. Sc.V Sem
24	VIJAYALAKSHMI NAIKODI	B. Sc.V Sem


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**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

	Date	Time
THEORY	4/10/2018	9.00-11.00am
PRACTICAL	Ist Batch - 8/10/2018	9.00-12.00pm
	IInd Batch - 8/10/2018	1.00 - 4.00pm

Date: 25/9/2018

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Department of Botany
Certificate Course
Bonsai Technique
(B.Sc V Semester Only)

Time: 2 Hrs

Question Paper 2018-19

Max. Marks: 50

Answer any five of the followings: 10X5=50

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

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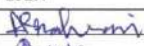
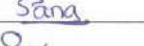
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Department of Botany

Certificate Course -Bonsai Technique(2018-19)

THEORY EXAMINATION ATTENDANCE

Sl.No	Name of the students	Class	SIGN
1	AKKAMMA MALLIMANI	B. Sc.V Sem	
2	ASHWINI	B. Sc.V Sem	
3	AVINASH	B. Sc.V Sem	
4	BHAGESH	B. Sc.V Sem	
5	DEEPA LAGAMANNA PUJARI	B. Sc.V Sem	
6	FEROJA I CHOWDHARI	B. Sc.V Sem	
7	GURURAJ	B. Sc.V Sem	
8	IMAMKASIM SHEKH	B. Sc.V Sem	
9	KHAJABI	B. Sc.V Sem	
10	LAVANYA VAGARE	B. Sc.V Sem	
11	MAHESH JALAWADI	B. Sc.V Sem	
12	PADMAVATI B SASNOOR	B. Sc.V Sem	
13	PRATIBHA KARNAL	B. Sc.V Sem	
14	RAVI BADIGER	B. Sc.V Sem	
15	SANA	B. Sc.V Sem	
16	SATYAVVA ARJUN CHAMBAR	B. Sc.V Sem	
17	SOUMYA KULKARNI	B. Sc.V Sem	
18	SOUMYA PATIL	B. Sc.V Sem	
19	SUKANYA	B. Sc.V Sem	
20	SUSHMA IVANI	B. Sc.V Sem	
21	TANUJA UPPIN	B. Sc.V Sem	
22	TEJU JAYARAM CHAVAN	B. Sc.V Sem	
23	VIJAYA CHAVAN KANTU	B. Sc.V Sem	
24	VIJAYALAKSHMI NAIKODI	B. Sc.V Sem	

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Department of Botany

Certificate Course -Bonsai Technique (2018-19)

PRACTICAL EXAMINATION ATTENDANCE

Sl.No	Name of the students	Class	SIGN
1	AKKAMMA MALLIMANI	B. Sc.V Sem	<i>Akkamma</i>
2	ASHWINI	B. Sc.V Sem	<i>Ashwini</i>
3	AVINASH	B. Sc.V Sem	<i>Avinash</i>
4	BHAGESH	B. Sc.V Sem	<i>Bhagesh</i>
5	DEEPA LAGAMANNA PUJARI	B. Sc.V Sem	<i>Deepa</i>
6	FEROJA I CHOWDHARI	B. Sc.V Sem	<i>Feroja</i>
7	GURURAJ	B. Sc.V Sem	<i>Gururaj</i>
8	IMAMKASIM SHEKH	B. Sc.V Sem	<i>Imamkasim</i>
9	KHAJABI	B. Sc.V Sem	<i>Khajabi</i>
10	LAVANYA VAGARE	B. Sc.V Sem	<i>Lavanya</i>
11	MAHESH JALAWADI	B. Sc.V Sem	<i>Mahesh</i>
12	PADMAVATI B SASNOOR	B. Sc.V Sem	<i>Padmavati</i>
13	PRATIBHA KARNAL	B. Sc.V Sem	<i>Pratibha</i>
14	RAVI BADIGER	B. Sc.V Sem	<i>Ravi</i>
15	SANA	B. Sc.V Sem	<i>Sana</i>
16	SATYAVVA ARJUN CHAMBAR	B. Sc.V Sem	<i>Satyavva</i>
17	SOUMYA KULKARNI	B. Sc.V Sem	<i>Soumya</i>
18	SOUMYA PATIL	B. Sc.V Sem	<i>Soumya</i>
19	SUKANYA	B. Sc.V Sem	<i>Sukanya</i>
20	SUSHMA IVANI	B. Sc.V Sem	<i>Sushma</i>
21	TANUJA UPPIN	B. Sc.V Sem	<i>Tanuja</i>
22	TEJU JAYARAM CHAVAN	B. Sc.V Sem	<i>Teju</i>
23	VIJAYA CHAVAN KANTU	B. Sc.V Sem	<i>Vijaya</i>
24	VIJAYALAKSHMI NAIKODI	B. Sc.V Sem	<i>Vijayalakshmi</i>

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**Department of Botany
Certificate Course
Bonsai Technique**

Statement of marks 2018-19

Sl.No	Name of the students	Class	Theory (50 Mrks)	Practical (50 Mrks)	Remark
1	AKKAMMA MALLIMANI	B. Sc.V Sem	38	42	Pass
2	ASHWINI	B. Sc.V Sem	40	44	Pass
3	AVINASH	B. Sc.V Sem	46	48	Pass
4	BHAGESH	B. Sc.V Sem	40	45	Pass
5	DEEPA LAGAMANNA PUJARI	B. Sc.V Sem	42	48	Pass
6	FEROJA I CHOWDHARI	B. Sc.V Sem	39	42	Pass
7	GURURAJ	B. Sc.V Sem	39	43	Pass
8	IMAMKASIM SHEKH	B. Sc.V Sem	38	42	Pass
9	KHAJABI	B. Sc.V Sem	37	40	Pass
10	LAVANYA VAGARE	B. Sc.V Sem	37	40	Pass
11	MAHESH JALAWADI	B. Sc.V Sem	36	40	Pass
12	PADMAVATI B SASNOOR	B. Sc.V Sem	46	48	Pass
13	PRATIBHA KARNAL	B. Sc.V Sem	44	48	Pass
14	RAVI BADIGER	B. Sc.V Sem	36	40	Pass
15	SANA	B. Sc.V Sem	41	45	Pass
16	SATYAVVA ARJUN CHAMBAR	B. Sc.V Sem	45	48	Pass
17	SOUMYA KULKARNI	B. Sc.V Sem	45	48	Pass
18	SOUMYA PATIL	B. Sc.V Sem	46	48	Pass
19	SUKANYA	B. Sc.V Sem	41	40	Pass
20	SUSHMA IVANI	B. Sc.V Sem	46	48	Pass
21	TANUJA UPPIN	B. Sc.V Sem	41	43	Pass
22	TEJU JAYARAM CHAVAN	B. Sc.V Sem	39	40	Pass
23	VIJAYA CHAVAN KANTU	B. Sc.V Sem	39	40	Pass
24	VIJAYALAKSHMI NAIKODI	B. Sc.V Sem	42	42	Pass

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COLLEGE, SINDAGI**

**Department of Botany
Certificate Course –Bonsai technique - 2018-19
Practical Attendance**

Sl. No	Reg.No	Name of the students	10/6/18	11/6/18	17/6/18	18/6/18	24/6/18	25/6/18	
1	S1625403	AKKAMMA MALLIMANI	P	P	P	P	P	P	AD
2	S1625408	ASHWINI	P	P	P	P	P	P	AD
3	S1625413	AVINASH	P	P	P	P	P	P	AD
4	S1625417	BHAGESH	P	A	P	P	P	P	AD
5	S1625425	DEEPA LAGAMANNA PUJARI	P	P	P	P	A	P	BL
6	S1625429	FEROJA I CHOWDHARI	P	P	P	P	P	P	BL
7	S1625431	GURURAJ	P	P	P	P	P	P	BL
8	S1625432	IMAMKASIM SHEKH	P	P	P	P	P	P	BL
9	S1625439	KHAJABI	P	P	A	P	P	P	BL
10	S1625443	LAVANYA VAGARE	P	P	P	P	P	P	BL
11	S1625447	MAHESH JALAWADI	P	P	P	P	P	A	BL
12	S1625464	PADMAVATI B SASNOOR	P	P	P	P	P	P	BL
13	S1625475	PRATIBHA KARNAL	P	P	P	P	P	P	BL
14	S1625481	RAVI BADIGER	A	P	P	P	P	P	BL
15	S1625491	SANA	P	P	P	P	P	P	BL
16	S1625495	SATYAVVA ARJUN CHAMBAR	P	P	P	P	P	P	BL
17	S1625518	SOUMYA KULKARNI	P	P	P	P	P	P	BL
18	S1625519	SOUMYA PATIL	P	P	P	P	P	P	BL
19	S1625521	SUKANYA	P	P	P	P	P	P	BL
20	S1625526	SUSHMA IVANI	P	P	P	A	P	P	BL
21	S1625529	TANUJA UPPIN	P	P	P	P	P	P	BL
22	S1625531	TEJU JAYARAM CHAVAN	P	P	P	P	P	P	BL
23	S1625535	VIJAYA CHAVAN KANTU	P	P	P	P	P	P	BL
24	S1625536	VIJAYALAKSHMI NAIKODI	P	P	P	P	P	P	BL

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CLASS	SUBJECT	OBTAINED
ROLL NO. S1625477	DATE	

Q) what are the different types of Bonsai?

→ 1) Apple Bonsai Tree :- Apple trees fall into the group of tropical bonsai varieties. That's because the apple tree is native of American tropics. Also known as pinch apple & money apple, we can see white & pink flowers in summertime, while tree is in bloom. This type of bonsai can be molded into various styles & make wonderful addition to lighten up any free space such as office desk, or home shelf.

2) Artificial Bonsai Tree :- Artificial bonsai trees have become extremely popular. more & more people appreciate the intricate beauty of bonsai but simply lack the time to devote into bonsai cultivation because of the busy paced life we lead nowadays. This tree can help to enjoy miniature trees without spending any energy on cultivation.

10 3) Azalea Bonsai Tree :- This tree holds a very special & prized position in the world of bonsai connoisseurs. Azalea add both colour & bloom to the art of Bonsai. when shaded with care & precision your tiny Azalea tree can reward you with dazzling clouds of blossoms in pink, red.

4) Bahama Berry Bonsai Tree :- Bahama Berry is known under many different names, some of which include Nashianguensis, moujencia, pineapple, interestingly when grown as an ordinary tree & in maturity the bahama Berry is pretty much unattractive as compared to look it can be molded into the practice of Bonsai. **PRINCIPAL,**

maintainance they make a wonderfully rewarding experience for the more seasoned Bonsai cultivators

5) Bamboo Bonsai Tree's most of the associations which come to your mind when thinking of a bamboo are probably related to the hollow bamboo stems often used for building fences. This type is actually not a tree at all instead it grows as a small shrub.

2) Describe the different styles of Bonsai ?

→ 1) Broom Style Bonsai (Hokidachi) :- The broom style is suited for deciduous trees with extensive fine branching. The trunk is straight & upright & does not continue to the top of tree, it branches out in all directions at about $\frac{1}{3}$ the height of tree. The branches & leaves form a ball shaped crown which is also a stunning sight.

2) Formal Upright Bonsai (chokkan) :- It is very common form of Bonsai. It often occurs in nature especially when tree is exposed to lots of light & does not face problem of competing trees. For this tapering of trunk must be clearly visible.

3) Informal Upright Bonsai (moyogi) :- It is very common in both nature & in the form of Bonsai. The trunk grows upright roughly in the shape of letter 'S' & at every turn branching occurs. Tapering of the trunk must be clearly visible with the base of the trunk thicker than higher portion.

4) Slanting Bonsai (shakan) :- As a result of wind blowing in one direction or when tree grows in the shade & must bend towards Sun, the tree will lean in one direction. The leaning style should grow at an angle of about 60-80°.

5) Cascade Bonsai (Kengai) :- A tree living in nature on a steep cliff can bend downward as a result of several factors like snow or falling rocks. These factors cause tree to grow downwards. For Bonsai trees it can be difficult to maintain a downward growing tree because the direction of growth opposes a tree's natural tendency to grow upright.

3)

what are the characteristics of Bonsai?

A Bonsai is distinct from other plants mainly by virtue of its tree-like shaped & appearance.

It should firstly have the common attributes of its bigger counter parts in nature. Bonsai are differentiated from ordinary potted plants because to all intents & purposes they look like full grown trees, albeit on a miniature scale.

But looks like a tree, a bonsai should have the following characteristics of a tree.

- 1) It should have a tapering trunk line.
- 2) Abundance of branches reaching out in all directions.
- 3) A good spread of roots emerging from the base at the level of the soil disappearing into the soil gradually so as to denote stability and agelessness.

4) A tree as natural looking as possible with reference to its species.

5) A pot which is in aesthetic & visual proportion to the tree, neither too big nor too small, both together forming a harmonious unity.

The branches too should have a pattern, the first branch should emerge from about $\frac{1}{3}$ rd of the tree's height above the base the second branch should emerge from opposite side of the trunk.

The third branch again from the side of trunk opposite the second branch a branch growing from the back of the trunk away from the front to give a third dimension to the tree.

All other branches would even follow this pattern each emerging from a higher point of trunk, the entire branch arrangement raising in a gentle spiral up the trunk.

4) List some plants suitable for Bonsai?

→ 1) Juniper (*Juniperus* spp) :- It is a large genus of over 50 evergreen coniferous trees & shrubs that are popular as bonsai trees. All species of juniper are popular as bonsai for 2 reasons.

i) The small foliage fits nicely with the miniature aesthetic of bonsai.

ii) Juniper are hardy trees that can withstand aggressive pruning.

Requirement :-

light = Bright, sunny light

water = Allow soil to dry slightly before watering.

colour variety = Needles can be yellow, pale or dark green.

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5) Cedar (cedrus spp) :- The rough jagged bark of cedar trees has made them a popular choice among bonsai. These are evergreen conifers that grow short needle clusters along their branches.
light - Direct sun
water - partially dry b/w waterings.
colour variety - Dark green needles.

5. Mention the different methods of trimming of bonsai plants?
→ Six steps to trimming your bonsai tree plant

1) The trimming process is aimed at doing away with dead to give space for healthier foliage to grow.

Identify the branches that need trimming will determine where the most trimming will determine where the most trimming needs to be done & where it is least needed.

2) Target the trimming at the for shaping purpose, To make bonsai tree take on a particular shape, the best method to use is pinching off or trimming at the ends until the desired shape has been achieved. The new orientation will make the tree curve & depend on direction.

3) Go Sharp & slow :- when use tools such as shears for your trimming it is essential to make sure they are very sharp from quick cuts that leave minor wounds. The other thing to look out for is cutting away more than necessary & trimming where needed to ensure that the bonsai tree remains healthy & growth continues with ease.

STUDENT'S NAME

TOTAL MARKS
OBTAINED

CLASS

SUBJECT

ROLL NO.

DATE

4) use different shaping techniques ; the process of shaping the Bonsai tree is reorienting it to make a different growth direction. This can be done using various methods, such as tying or bending the trees.

5) Trim in seasons - After new growth seasons have occurred, cut down the leaves of Bonsai tree to allow for new growth. This motivates rapid growth & gives space for dense leaves to be brought forth.

6) Rinse off Bonsai tree :- This final step is vital as it washes off any dust & dirt that is bound to accumulate on the leaves after a while. This keeps the tree clean & beautiful & in the best position to absorb the natural elements it needs to survive.



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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 2018-19.


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Science College, Sindgi-586128, Dt.Vijayapur


Principal,
Principal
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V. V. Salimath S.C. College,
SINDGI-586128, Dist.Vijayapur