

Dr. V.S. KRISHNA GOVERNMENT DEGREE



VISAKHAPATNAM



Add-on course

on



CONDUCTED BY DEPARTMENT OF BOTANY

GENERAL OBJECTIVES OF THE COURSE:

1. To inculcate the importance of studying horticultural practices and usage of horticultural crops.
2. To equip the students with practical knowledge of horticultural practices.
3. To familiarize the students with the horticulture based industries at national and international level.
4. To impart the basic skills of entrepreneurship in the students specifically in the field of horticulture.

Let's
(Dr. P. Srivani)

PRINCIPAL
Dr. V.S. Krishna Govt. Degree College (A)
VISAKHAPATNAM

PERMISSION LETTER TO START ADD ON COURSE

FROM

Head of the Department

Department of Botany

Dr.V.S. Krishna Government Degree college (A)

Visakhapatnam.

TO

The Principal

Dr. V.S. Krishna Govt. Degree college (A)

Visakhapatnam

Respected Sir,

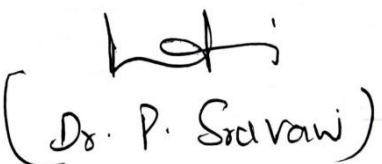
SUB: Permission to start an Add-on course for the academic year 2018-19

and nominate the Botany faculty to teach classes for the add on course –Regarding.

REF: Resolution copy of the Department of Botany

As per the resolutions of the department of Botany, We are very much glad to start an Add-on Course with a title Horticultural techniques for II B.Sc.(CBZ,CBBT) students Hence ,We are requesting you to gave permission to start the Add on course and also permission to teach theory and Practical classes for the said on course.

Yours faith fully


(Dr. P. Saravani)

Dr. V.S.Krishna Government Degree college (A)

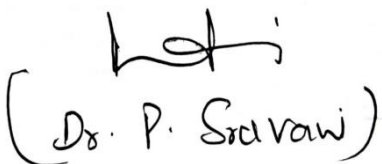
Department of Botany

Department-Meeting

Minutes of meeting dated-

The faculty of Botany Department met in the Department staff room on ----- and discussed the following Matter

1. It is resolved to start Add on course in the Department pf Botany in the Academic year
2. To submit a letter to the principal for getting permission to start Add on course
3. To prepare syllabus to the Add on course
4. to start the course with the minimum no.of students 20
5. To conduct classes for Add on course 20+20 Teaching and practical hours respectively
6. Permission to conduct Add on course classes by the Botany faculty
7. Permission to utilize the Botany laboratory to conduct the practicals for Add on course
8. Continuing the add on course for the next 2 years


(Dr. P. Sravani)

DR.V. S. KRISHNA GOVT. DEGREE AND PG COLLEGE (A)

DEPARTMENT OF BOTANY

ADD ON CERTIFICATE COURSE-1

1. Subject: **HORTICULTURE TECHNIQUES**

2. Number of Instructional hours required: 30 (Theory – 30 & Hands on experience - 30)

3. Number of Credits to be awarded: 01

4. Period of Study: In any semester of the choice of the student.

5. Objectives:

- To impart the basic knowledge in Horticulture.
- To learn the creative methods of landscaping and make use of waste land.
- To learn various types of vegetable cultivation.
- To learn flowering and non-flowering ornamental plant cultivation methods at basic level to become entrepreneurs.

6. SYLLABUS – THEORY

5x6=30 hrs

Module1: Introduction& History Divisions of Horticulture

Module 2:, Horticulture & Society, Horticulture therapy

Module 3: Vegetables and vegetable gardening

Module4: Bonsai Culture

Module 5: Landscaping

7. Practicals: Project Submission and field trips

30hrs

1: Micro Irrigation

2: Vegetables and vegetable gardening

3: Bonsai Culture

4: Landscaping

5: Resource Centres for Practicals – VUDA Gardens, Kailasagiri Gardens,

Sivaji Park, CMR Gardens, Dolphins Nature Conservation Society -

Biodiversity Park

DR.V. S. KRISHNA GOVT. DEGREE AND PG COLLEGE (A)

MODEL QUESTION PAPER

ADD-ON -COURSE: HORTICULTURE TECHNIQUES

Time: 2hours

Max Marks: 50

Answer any three from the following:

10 X 3 =30M

1. What is Horticulture? Give a general account on horticulture and its techniques.
2. Write an essay on the general principles of vegetable gardening.
3. Write an essay on the cultivation of vegetable crops with specific example.
4. What is Bonsai? Describel the principles of Bonsai trees cultivation
5. Write an essay on types of Landscaping.

Write any four of the following short answers:

4 X 5 – 20M

- | | |
|------------------------------------|------------------------------|
| 1. Horticulture and society | 5. Drip irrigation |
| 2. Benefits of vegetable gardening | 6. Landscaping designing |
| 3. Styles of Bonsai | 7. Categories of Landscaping |
| 4. Home Gardens | 8. Goals of Landscaping |

Add on Course 2018-2019

S.NO	ID. NO	Name of the student	Group	Signature
1	T16203045	J. Anugh	III rd B2C (T.M)	
2	T16203049	R. Brahmani	"	
3	T16203050	G. Damayanthi	"	G. Damayanthi
4	T16203051	P. Durga prasad	"	P. Durgaprasad
5	T16203054	M. Hema latha	"	M. Hema latha
6	T16203056	G. Jaya Lakshmi	"	
7	T16203058	Y. Jyothi	"	Y. Jyothi
8	T16203059	Y. Jyothi	"	Y. Jyothi
9	T16203060	N. Jyotsna	"	N. Jyotsna
10	T16203061	Y. Kamala	"	Y. Kamala
11	T16203062	G. Kanaka Durga	"	G. Kanaka Durga
12	T16203063	K. Lakshmi	"	K. Lakshmi
13	T16203065	V. Laxmana Rao	"	
14	T16203067	Ch. Maha Lakshmi	"	Ch. Maha Lakshmi
15	T16203069	V. Maheswari	"	V. Maheswari
16	T16203075	K. Poli Naidu	"	K. Polinaidu
17	T16203081	K. Rama Krishna	"	
18	T16203082	D. Ramulappa du	"	
19	T16203083	K. Revathi	"	K. Revathi
20	T16203084	K. Ravathi	"	K. Revathi

Enrolled Students

S.No	ID. No	Name of the student	Group	Signature
21	T16203085	P. ROTA	III rd B2C (T.M)	
22	T16203087	K. sailaja	"	
23	T16203088	L. sandhyaRani	"	L. Sandhya Rani
24	T16203091	P. sirisha	"	P. Sirisha
25	T16203092	S. Siva Ganga Bharani	"	S. Siva Ganga Bharani
26	T16203093	Y. Siva Lakshmi	"	Y. Siva Lakshmi
27	T16203094	Ch. sravani	"	Ch. sravani
28	T16203096	R. Tulagi	"	
29	T16203098	K. VanaJa	"	
30	T162030100	L. Vasavi	"	L. Vasavi
31	T162030101	K. Vasavi	"	K. Vasavi
32	T162030102	N. Venkata lakshmi	"	N. Venkata Lakshmi
33	T162030103	G. Vennala	"	G. Vennala
34	T162030104	B. Vijaya Prakash	"	B.V. Prakash
35	T16203057	M. Jaya lakshmi	"	M. Jaya lakshmi
36	T16203044	V. Anusha	"	V. Anusha

Add on Course : Horticulture - Dt. of exam 11-2-19

S.NO	ID NO	Name of the Student	Group	Signature
		<u>Attended Students</u>		<u>2-4:30 PM</u>
1.	T16203098	K. Vanaja ✓	III rd BZC (T.M)	K. Vanaja
2.	T16203103	G. Vennela ✓	III rd BZC (T.M)	G. Vennela
3.	T16203067	Ch. Mahalakshmi ✓	III rd BZC (T.M)	Ch. Mahalakshmi
4.	T16203100	L. Vasani ✓	III rd BZC (T.M)	L. Vasani
5.	P.S. T16203091	P. Sivisha ✓	III rd BZC (T.M)	P. Sivisha
6.	T16203058	Y. Jyothi ✓	"	Y. Jyothi
7.	T16203059	Y. Jyothi ✓	"	Y. Jyothi
8.	T16203101	K. Vasani ✓	"	K. Vasani
9.	T16203060	N. Jyotsna ✓	"	N. Jyotsna
10.	T16203051	P. Durgaprasad ✓	"	P. Durgaprasad
11.	T16203084	K. Revathi ✓	"	K. Revathi
12.	T16203061	Y. Kamala ✓	"	Y. Kamala
13.	T16203054 ✓	M. Hema Datha ✓	"	M. Hema Datha
14.	T16203083	K. Revathi ✓	"	K. Revathi
15.	T16203062	G. Kanaka Durga ✓	"	G. Kanaka Durga
16.	T16203045	J. Anusha ✓	"	J. Anusha
17.	T16203082	D. Ramulapackee ✓	"	D. Ramulapackee
18.	T16203081	K. Rama Krishna ✓	"	K. Rama Krishna
19.	T16203063	K. Lakshmi ✓	"	K. Lakshmi
20.	T16203104	B. VISHA BHAIRAVA ✓	"	B. VISHA BHAIRAVA
21.	T16203075	K. Polinaidu ✓	"	K. Polinaidu

Dr. K. V. Lakshmi
Lecturer in Botany

Sl No	ID Number	Name of the student	Signature
22	T16203087	K. Sallaja ✓	K. Sallaja
23	T16203085	P. ROJA ✓	P. Roja
24	T16203082	D. Ramulappadu ✓	
24	T16203102	N. Venkata Lakshmi ✓	
25	T16203069	V. Maheswari ✓	
26	T16203092	S. Siva Ganga Bhavani ✓	
27	T16203050	A. Damayanthi ✓	
27 candidates			

Add on Course : Horticulture Techniques

C.B.Z (T.M) 2018-19

S.NO	Name of the student	ID Number	Marks/sign
1.	J. Anusha	T16203045	47 J. Anusha
2.	G. Damayanthi	T16203050	30 G. Dany
3	P. Durgaprasad	T16203051	42 P. Durgaprasad.
4	M. Hemalatha	T16203054	32 M. Hemalatha
5	Y. Jyothi	T16203058	42 Y. Jyothi
6	Y. Jyothi	T16203059	36 Y. Jyothi
7	N. Jyotsna	T16203060	48 N. Jyotsna.
8	Y. Kamala	T16203061	42 Y. Kamala
9	G. Kanakadurga	T16203062	40 G. Kanakadurga
10	K. Lakshmi	T16203063	40 K. Lakshmi
11	Ch. Mahalakshmi	T16203067	30 ch. Mahalakshmi
12	V. Maheswari	T16203069	35 v. Maheswari
13	K. Polinaidu	T16203075	46 K. Polinaidu
14	K. Ramakrishna	T16203081	36 K. Ramakrishna
15	D. Ramulappadu	T16203082	28 D. Ramulappadu
16	K. Revathi	T16203083	40 K. Revathi
17	K. Revathi	T16203084	40 K. Revathi
18	P. Raja	T16203085	32 P. Raja
19	K. Sailaja	T16203087	40 K. Sailaja
20	P. Sivassha	T16203091	33 P. Sivassha
21	S. Sivaganga bhavani	T16203092	30 S. Sivaganga bhavani
22	K. Varaja	T16203098	40 K. Varaja.

S.No	Name of the student	ID Number	Marks
23	L. Vasavi	T16203100	30 L. Vasavi
24	K. Vasavi	T16203101	42 K. Vasavi
25	N. Venkata Lakshmi	T16203102	30 N. Venkata Lakshmi
26	G. Vennela	T16203103	28 G. Vennela
27	B. Vijaya prakash	T16203104	43 B.V. Prakash
28	M. Jayalakshmi	T16203057	45 M. Jaya Lakshmi
29	K. Geetha (MB.BT-C)	E16205005	47

MID EXAMINATIONS / PRACTICAL EXAMINATIONS

Name :
Subject :

Id. No. :
Group / Year :

Theory Examination

Add on course - HORTICULTURE

Answer the following Questions:

Dt - 11-2-19
Time ; 2 hrs.

Q.1 వీరి కిల్చర్ తీసినానమి ? వీటి సాధారణ తంబాలు , మరియు సాంకేతిక పద్ధతులు వివరించండి ,

2. బోన్సాయ్ చెట్లు పెంపక విధానాన్ని వివరించండి ,

3. హరిత గృహము యొక్క ప్రాముఖ్యత తెల్పండి ,

$12 \times 3 = 36M$

Write Short Notes on :

$3 \times 4 = 12M$

4. మిలియోన్

5. వీరి కిల్చర్ లో వృద్ధి ?
నిమిత్తకాలు

6. బిందు సెద్యము

Presentation _____ 2M

50M

K.V. Lakshu
Lecturer in Botany

DR.V.S.KRISHNAGOVERNMENT DEGREE COLLEGE(A)

DEPARTMENT OF BOTANY

ADD ON COURSE 2018-19 Group: BZC T.M

s.n o	Reg No	Name	17/9	18/9	19/9	20/9	21/9	22/9	23/9	24/9	25/9	Attendance																	
												26/9	27/9	28/9	29/9	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10	13/10	15/10
1	T16203045	J. Anusha	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
2	T16203049	R.Brahmani	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
3	T16203050	G. Damayanthi	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
4	T16203051	P.Durga Prasad	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
5	T16203054	M.Hemalatha	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
6	T16203056	G.Jayalakshmi	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
7	T16203058	Y.Jyothi	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
8	T16203059	Y.Jyothi	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
9	T16203060	N.Jyothsna	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
10	T16203061	Y.Kamala	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
11	T16203062	G.Kanaka Durga	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
12	T16203063	K.Lakshmi	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
13	T16203065	U.Lakshmana Rao	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
14	T16203067	Ch.Mahalakshmi	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
15	T16203069	Y.Maheswari	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	T162030675	K.Polinaidu	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	T16203081	K.Rama Krishna	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	T16203082	D.Ramulappadu	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	T16203083	K.Revathi	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	T16203084	K. Ravathi	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	T16203085	P.Roja	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	T16203087	K. Sailaja	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	T16203088	L.Sandhya rani	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	T16203091	P.Sirisha	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	T16203092	S.Siva Ganga	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

DR.V.S.KRISHNA GOVT. DEGREE & P.G COLLEGE (A), VISAKHAPATNAM, CODE: HT2016

**DEPARTMENT OF BOTANY,
ADD-ON COURSE –HORTICULTURE TECHNIQUES,
AWARD LIST 2018-19**

S.No.	CLASS	ID NUMBER	Name of the student	MARKS-50	GRADE
1.	III CBZ-TM	T16203045	J. Anusha	47	A
2.		T16203049	R.Brahmani	40	A
3.		T16203050	G. Damayanthi	41	A
4.		T16203051	P.Durga Prasad	42	A
5.		T16203054	M.Hemalatha	42	A
6.		T16203056	G.Jayalakshmi	44	A
7		T16203058	Y.Jyothi	42	A
8		T16203059	Y.Jyothi	45	A
9.		T16203060	N.Jyothsna	48	A
10.		T16203061	Y.Kamala	42	A
11.		T16203062	G.Kanaka Durga	40	A
12		T16203063	K.Lakshmi	40	A
13.		T16203065	U.Lakshmana Rao	41	A
14.		T16203067	Ch.Mahalakshmi	42	A
15		T16203069	Y.Maheswari	45	A
16.		T162030675	K.Polinaidu	46	A
17.		T16203081	K.Rama Krishna	44	A
18.		T16203082	D.Ramulappadu	42	A
19		T16203083	K.Revathi	40	A
20		T16203084	K. Ravathi	40	A

21		T16203085	P.Roja	42	A
22		T16203087	K. Sailaja	40	A
23		T16203088	L.Sandhya rani	44	A
		T16203091	P.Sirisha	43	A
24		T16203092	S.Siva Ganga Bhavani	45	A
		T16203093	Y.Siva Lakshmi	42	A
25		T16203094	Ch. Sravani	40	A
26		T16203096	R.Tulasi	44	A
27		T16203098	K.Vanaja	40	A
28		T162030100	L.Vasavi	42	A
29		T162030101	K.Vasavi	40	A
30		T162030102	N.Venkata Lakshmi	44	A
31		T162030103	G.Vennela	46	A
32		T162030104	B.Vijaya praksh	43	A
34	MBBTC	E16203057	K. Geetha	47	A

Let's
(Dr. P. Sravani)

V

PRINCIPAL
Dr. V.S. Krishna Govt. Degree College (A)
VISAKHAPATNAM



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)

(NAAC ACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)
MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH



ADD-ON COURSE CERTIFICATE

2018 - 2019

This is to certify that Mr. / MissR. Brahmani.....of
.....BZC (T.M).....has successfully completed the Add - on Course in.....Horticulture Techniques.....
with Regd No.....T16203049.....Organized by the Department of.....Botany.....in
collaboration with.....-.....during year 2018 - 2019 . He / She has passed the course with
.....A'.....grade.

L. S. i
Course Coordinator

V. C. S.
PRINCIPAL 19/10/2019
Dr. V.S. Krishna Govt. Degree College(A)



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)

(NAAC ACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)

MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH



ADD-ON COURSE CERTIFICATE

2018 - 2019

This is to certify that Mr. / MissY. Tyothi.....of
.....CU (B2) (T.M.).....has successfully completed the Add - on Course in.....Horticulture Techniques.....
with Regd No.....T.16203058.....Organized by the Department of.....Botany.....in
collaboration with.....T.....during year 2018 - 2019 . He / She has passed the course with
.....A.....grade.


Course Coordinator


PRINCIPAL
Dr. V.S. Krishna Govt. Degree College(A)
19/10/2019



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)

(NAAC ACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)
MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH



ADD-ON COURSE CERTIFICATE

2018 - 2019

This is to certify that Mr. / MissK. Rama Krishna.....of
.....BZC (T.M).....has successfully completed the Add - on Course in.....Horticulture Techniques.....
with Regd No.....T.1620.3081.....Organized by the Department of.....Botany.....in
collaboration with.....-.....during year 2018 - 2019 . He / She has passed the course with
.....A.....grade.


Course Coordinator


PRINCIPAL 19/10/2019
Dr. V.S. Krishna Govt. Degree College(A)



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)

(NAAC ACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)

MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH



ADD-ON COURSE CERTIFICATE

2018 - 2019

This is to certify that Mr. / MissL. Vasavi.....of
.....CU CB2 T.M.....has successfully completed the Add - on Course in.....Horticulture Techniques.....
with Regd No.....T.16.2030.100.....Organized by the Department of.....Botany.....in
collaboration with.....T.....during year 2018 - 2019 . He / She has passed the course with
.....A'.....grade.

Course Coordinator

PRINCIPAL 19/10/2019

Dr. V.S. Krishna Govt. Degree College(A)



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)

(NAAC ACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)
MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH



ADD-ON COURSE CERTIFICATE

2018 - 2019

This is to certify that Mr. / Miss K. Ravathi of
..... Tu CB2 T.M. has successfully completed the Add - on Course in Horticulture - Techniques
with Regd No. Organized by the Department of Botany in
collaboration with during year 2018 - 2019 . He / She has passed the course with
..... A grade.

[Signature]
Course Coordinator

V. S. Krishna
PRINCIPAL
19/10/2019
Dr. V.S. Krishna Govt. Degree College(A)