

PROPOSAL
For
Certificate Course
In
FLORICULTURE
For
The Students of Botany



Submitted by
Department of Botany
S.G.S.ARTS COLLEGE,TTD,TIRUPATI
2017-2018

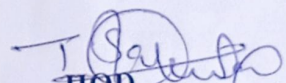
S.G.S.ARTS COLLEGE, TIRUPATI
DEPARTMENT OF BOTANY
CERTIFICATE COURSE IN FLORICULTURE
Academic Year: 2017 -2018

BATCH 1: TIME TABLE

07Aug 2017to 01Sep 2017

DAY/TIME	THEORY	PRACTICAL
	9.00 – 10.00 AM	4.00 – 5.00 PM
MONDAY	TS	TS
TUESDAY	TS	TS
WEDNESDAY	TS	TS
THURSDAY	TS	TS
FRIDAY	TS	TS
SATURDAY	TS	TS

TS: SmtT.Shakunthala

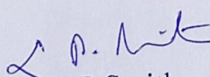

HOD
S.G.S. Arts College, Tirupati
Dept. of Botany
S.G.S. Arts College, Tirupati

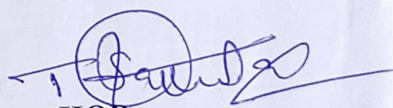
S.G.S.ARTS COLLEGE, TIRUPATI
DEPARTMENT OF BOTANY
CERTIFICATE COURSE IN FLORICULTURE
Academic Year: 2017 -2018

BATCH 2: TIME TABLE

07Aug 2017 to 01 Sep 2017

DAY/TIME	THEORY	PRACTICAL
	4.00 – 5.00 PM	9.00 – 10.00 AM 4.00 – 5.00 PM
MONDAY	PS	PS
TUESDAY	PS	PS
WEDNESDAY	PS	PS
THURSDAY	PS	PS
FRIDAY	PS	PS
SATURDAY	PS	PS


PS: Dr P. Saritha


HOD HEAD
Dept. of Botany
S.G.S. Arts College, TIRUPATI

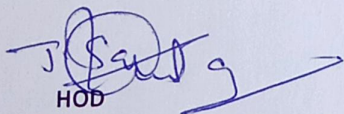
S G S ARTS COLLEGE, TIRUPATI
DEPARTMENT OF BOTANY
CERTIFICATE COURSE IN FLORICULTURE
Academic year : 2017-18

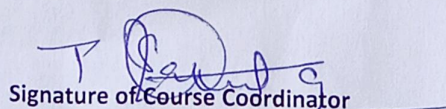
REPORT OF THE COURSE:

1. Name of the Course : FLORICULTURE
2. Name of the Course Coordinator : Smt T.Shakunthala
3. No of Students Admitted : 100 (50 per batch)
4. Faculty Members : 02

S.NO	Name of the Teacher	Batch	No of Hours (Classes) Engaged	
			Theory	Practicals
1.	Smt T.Shakunthala	1	10	10
2.	Dr P.Saritha	2	10	10

5. Number of Students Appeared for Exam : Batch I : 45
Batch II : 41
6. Number of Students Passed : Batch I : 45
Batch II : 41
7. Percentage of Results : 100%
8. Date of Theory Examination : 04-09-2017
9. Name of the Examiner : Dr P.Saritha
10. Date of Declaration of Results : 06-09-2017


HOD


Signature of Course Coordinator

HEAD
Dept. of Botany
S.G.S. Arts College, TIRUPATI

Permission Letter
SGSAC/Dept.ofBotany/HOD/Certificate Course/2017-18

From

Date: 05/Aug/2017.

HOD,
Department of Botany,
S.G.S Arts College,
Tirupati.

To

The Principal,
S.G.S Arts College,
Tirupati.

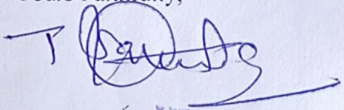
Respected Sir,

Sub: Request for permission to conduct Certificate Course in Floriculture– Regarding.

We have planned to conduct a forty hours Certificate Course on Floriculture for two batches of Final Year students of Life Sciences groups from 07/Aug/2017 to 01/Sep/2017. Therefore kindly permit us to conduct this Certificate Course.

Thanking You,

Yours Faithfully,

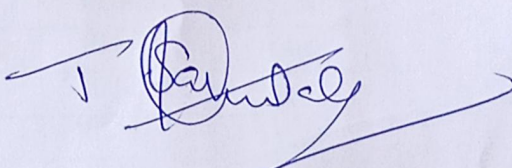

HEAD
Dept. of Botany
S.G.S. Arts College, TIRUPATI

SGS ARTS COLLEGE, TTD, TIRUPATI
DEPARTMENT OF BOTANY
2017-2018

Floriculture Certificate Course Students Name List Batch 1

S.No	Name of the Student	Class	Roll No
1	A.Giri	III BBC	15781
2	BalaKiran Kumar	III BBC	15782
3	B.Lokesh Reddy	III BBC	15783
4	B.Giribabu	III BBC	15784
5	C.Maheswari	III BBC	15785
6	C.Swathi	III BBC	15786
7	C.Sahadeva Kumar	III BBC	15787
8	D.Ambedakar	III BBC	15788
9	E.Ajithkumar	III BBC	15789
10	G.Mounika	III BBC	15790
11	J.Pavan Kumar	III BBC	15791
12	K.Hareesh	III BBC	15792
13	K.Sirisha	III BBC	15793
14	K.Nitheesh Kumar	III BBC	15794
15	K.Rajesh	III BBC	15795
16	K.Praveen Kumar	III BBC	15796
17	M.Karavati	III BBC	15798
18	M.Sudhakar	III BBC	15799
19	M.Dhanush	III BBC	15800
20	M VimalPrabhau	III BBC	15801
21	M.ChandraSekharNaik	III BBC	15802
22	M.Jyothi Reddy	III BBC	15803
23	N.Asthavadith	III BBC	15804
24	P.BhanuPrakash	III BBC	15805
25	P.V.Sandeep	III BBC	15806
26	P.SivaKumar	III BBC	15807
27	P.Chandrasekhar	III BBC	15808

28	P.Venkatsai Kumar	III BBC	15809
29	P.Ravi	III BBC	15810
30	O.Praveen Kumar	III BBC	15811
31	R.Muniprakash	III BBC	15812
32	S.Viswanath	III BBC	15813
33	S.Anoof	III BBC	15814
34	U.Daniel	III BBC	15815
35	V.Siva	III BBC	15816
36	V.Elumalai	III BBC	15817
37	Y.Bhanuprasad	III BBC	15818
38	Y.Rajasekhar Reddy	III BBC	15819
39	Y.Arivand	III BBC	15820
40	Y.Vikas Reddy	III BBC	15821
41	Anil Kumar A	III CBZ	15530
42	Aswini C	III CBZ	15531
43	HariNaikMegavath	III CBZ	15334
44	Harikrishna P	III CBZ	15335
45	Kaveri V	III CBZ	15537



HEAD
 Dept. of Botany
 S.G.S. Arts College, TIRUPATI

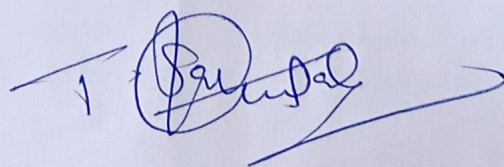
SGS ARTS COLLEGE, TTD, TIRUPATI
DEPARTMENT OF BOTANY

2017-2018

Floriculture Certificate Course Students Name List Batch 2

S.No	Name of the Student	Class	Roll No
1	Amarnath .T	III MZC	15581
2	AnjiNaik N	III MZC	15582
3	Chittivinayaka.M	III MZC	15584
4	Damodaram K	III MZC	15585
5	Devaki M	III MZC	15586
6	Ganesh A	III MZC	15587
7	Ganesh AR	III MZC	15588
8	Gangadhar AM	III MZC	15589
9	Harinath S	III MZC	15591
10	Hemanth.G	III MZC	15593
11	JagadeeshBabu R	III MZC	15594
12	Lavanya Y	III MZC	15596
13	Madan Mohan D	III MZC	15597
14	ManasaVeena P	III MZC	15599
15	Naveen Kumar T	III MZC	15600
16	Pravallika A	III MZC	15601
17	PurushothamNaik S	III MZC	15602
18	Raghavendra K	III MZC	15603
19	RajiniPriya G	III MZC	15604
20	Sandeep M	III MZC	15605
21	Subbarayudu B	III MZC	15607
22	Thejaswi R	III MZC	15608
23	VarunTeja T	III MZC	15609
24	Veeranjineyulu B	III MZC	15610
25	Venkatesh N	III MZC	15612

26	Vijaya Kumar K	III MZC	15613
27	Kosigaiah K	III CBZ	15538
28	Pradeep D	III CBZ	15540
29	Rajendra P	III CBZ	15541
30	Ravi G	III CBZ	15542
31	Reddi Praveen G	III CBZ	15543
32	Sagar T	III CBZ	15544
33	Sai Ram B	III CBZ	15545
34	Santhosh Kumar K	III CBZ	15546
35	Saraswathi .T	III CBZ	15547
36	Saritha G	III CBZ	15548
37	Shobha K	III CBZ	15550
38	Supriya B	III CBZ	15551
39	Thulasi B	III CBZ	15552
40	Venkatesh B	III CBZ	15553
41	Vijaya Kumar S	III CBZ	15554



HEAD
 Dept. of Botany
 S.G.S. Arts College, TIRUPATI

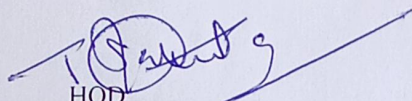
NOTICE

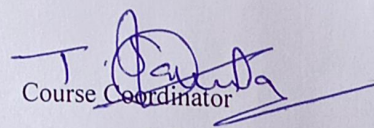
SGSAC/Dept.ofBotany/HOD/Certificate Course/2017-18

It is to inform to all the Final Year students of Life Sciences groupsthat we are going to conduct a Certificate Course. The details of the course offered are as follows.

Course name	FLORICULTURE
Course date & duration	07/Aug/2017 to 01/Sep/2017: 40 Hours 3 Weeks
Timings	Batch 1: Theory: 9:00AM to 10:00AM Practical: 4:00 PM to 5:00 PM Batch 2: Theory: 4:00 PM to 5:00 PM Practical: 9:00AM to 10:00AM
Course Mentors	Batch 1: Smt T.Shakunthala Batch 2: Dr P.Saritha

Students who are interested to join the course can contact the Coordinator of Certificate Course Smt T.Shakunthala for further details of course content, study material and prerequisites of the course,


HOD
HEAD
Dept. of Botany
S.G.S. Arts College, TIRUPATI

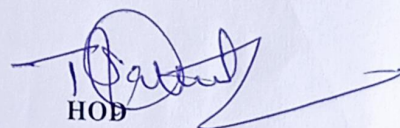

Course Coordinator
HEAD
Dept. of Botany
S.G.S. Arts College, TIRUPATI

NOTICE

SGSAC/Dept.of Botany/HOD/Certificate Course/2017-18

All the Students of Batch 1 and Batch 2 who are enrolled for Certificate Course in FLORICULTURE are hereby informed that the **Final** Examination will be held on 04-09-2017.

Date: 02-09-2017



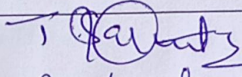
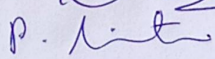
HOD

HEAD
Dept. of Botany
S.G.S. Arts College, TIRUPATI

CIRCULAR

It is to inform all the faculty of **Department of Botany** to attend staff meeting at 10:30 AM in the HOD chamber to discuss the conduct of certificate courses for the academic year **2017-18**.

Faculty Members Attended:

HOD	Name of the Faculty	Signature
Smt P..Bharathi	1. Smt T.Shakunthala 2. Dr P.Saritha	 

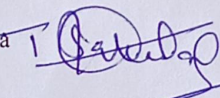
Agenda: Certificate courses to be conducted for the Academic Year 2017-18.

All the staff members of the department discussed the agenda. The following resolutions were passed unanimously.

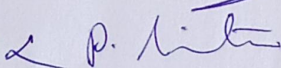
- It was decided to conduct a certificate course on **FLORICULTURE** to the Final year students of Life Sciences groups in the first week of August month.
- HOD offered vote of thanks.

Faculty:

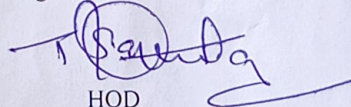
1. Smt T.Shakunthala



2. Dr P.Saritha



Signature:



HOD

Department of Botany

Details of the Course

Name of the Certificate Course	:	FLORICULTURE
Batch	:	I
Timing	:	Theory: 9:00 to 10:00 AM Practical: 4:00 to 5:00 PM
No. of students/ Dept/Year/ Course Duration:		50/ Botany/ 2017-18/ 40 Hours
Venue	:	Theory: Room No 111 Practical: Botany Lab
Pre-requisite	:	Students having Botany as one of the subject
Eligible Groups	:	All Final Year Students of Life Sciences groups
Trainers	:	SmtT.Shakunthala
Certificate	:	Yes
Course Coordinator	:	SmtT.Shakunthala

Details of the Course

Name of the Certificate Course	:	Floriculture
Batch	:	2
Timing	:	Theory: 4:00 to 5:00 PM Practical: 9:00 to 10:00 AM
No. of students/ Dept/Year/ Course Duration:		50/ Botany/ 2017-18/ 40 Hours
Venue	:	Theory: Room No 111 Practical: Botany Lab
Pre-requisite	:	Students having Botany as one of the subject
Eligible Groups	:	All Final Year Students of Life Sciences groups
Trainers	:	Dr P.Saritha
Certificate	:	Yes
Course Coordinator	:	SmtT.Shakunthala

S.G.S.ARTS COLLEGE, TIRUPATI
DEPARTMENT OF BOTANY
CERTIFICATE COURSE IN FLORICULTURE

Course Contents

Theory (20 Hours)

Unit I: Ornamental Plants

1. Flowering annuals, Herbaceous, Perennials, Divine Vines, Shade and Ornamental trees.
2. Ornamental bulbous and Foliage plants, Cacti and Succulents.
3. Ornamental - Palms
4. Cultivation of Plants in Pots, Indoor gardening, Bonsai

Unit II: Commercial Floriculture

1. Factors affecting flower production; Production and packing of cut flowers, Flower arrangements; Methods to prolong vase life of Flowers.
2. Cultivation of important cut flowers (Aster, Dahlia, Gerbera, Anthuriums, Marigold, Rose, Lilium).
3. Management of Pests, Diseases and Harvesting.
4. Methods of Harvesting
5. Importance of Cut Flowers.

Unit III: Practical

1. Demonstration and live visit at local flower bouquet shops.
2. Demonstration and visit of function halls/visit of local star Hotels for interior decoration.

Practical (20 Hrs): Based upon above content

Duration of the Course: 40 Hours

Theory	:	20 Hours
Practical	:	20 Hours
Eligibility	:	All Final Year Students of Life Sciences groups
Intake	:	50 Students /Batch
Resource Persons	:	Internal
Degree	:	Internal
Course Coordinator	:	SmtT.Shakunthala
Course Mentors	:	1. SmtT.Shakunthala 2. Dr P.Saritha

Commencement of the Course Date : 07-08-2017 to 01-09-2017

Commencement of the Course Time:

BATCH 1 (THEORY) 9:00 AM to 10:00 AM
BATCH 1 (PRACTICAL) 4:00 PM to 5:00 PM
BATCH 2 (THEORY) 4:00 PM to 5:00 PM
BATCH 2 (PRACTICAL) 9:00 AM to 10:00 AM

SGS ARTS COLLEGE, TTD, TIRUPATI
DEPARTMENT OF Botany
CERTIFICATE COURSE IN "FLORICULTURE"
Batch 1 & 2

ACADEMIC YEAR: 2017-18

Final Examination

Max Marks: 50

Duration: 2 Hours

Name of the Student:

Group:

Year:

Question 1. leafy sepals used as ornamental plants is/are

- A. mussanda
- B. bougainvillea
- C. both a and b
- D. none of these

Question 2. chandrakaran is a polyembryonic variety of

- A. papaya
- B. mango
- C. banana
- D. pomegranate

Question 3. plant easily available and suitable for bonsai making is

- A. rain tree
- B. grapes
- C. apple
- D. banyan tree

Question 4. the ideal method for vegetative propagation of pineapple is

- A. crowns
- B. stumps
- C. stembits
- D. slips

Question 5. fruit type of pineapple is

- A. spike
- B. berry
- C. sorosis
- D. balusta

Question 6. pungency in radish is due to volatile compound

- A. erucic acid
- B. isothiocyanates
- C. allopropyldisulphide
- D. diallyl disulphide

Question 7. the major source of water for the soil is

- A. groundwater
- B. capillary water
- C. precipitation
- D. combined water

Question 8. the soil which cracks and shrinks most as it dries is

- A. chalky soil
- B. clay soil
- C. sandy soil
- D. soil rich in minerals

Question 9. a third generation pesticide is

- A. pheromone
- B. weedicide
- C. sterilogastron
- D. juvenile hormone analogue

Question 10. rotenone is a

- A. natural insecticide
- B. insect hormone
- C. bioherbicide
- D. natural herbicide

Question 11. bt cotton is resistant to

- A. herbicide
- B. salt
- C. insect
- D. drought

Question 12. bioherbicide and bioinsecticide

- A. biherbicide
- B. bioherbicides and bioinsecticides

- C. bioherbicides, bioinsecticide and biofertilizers
- D. bioinsecticides

Question 13. replum is a

- A. false placenta
- B. false septum
- C. false ovule
- D. false thalamus

Question 14. placentation in cruciferae plant is:

- A. parietal
- B. axial
- C. basal
- D. marginal

Question 15. vexillum is found in

- A. cruciferae
- B. rosaceae
- C. solanaceae
- D. papilionaceae

Question 16. leaves become modified into spines in

- A. opuntia
- B. onion
- C. silk cotton
- D. pea

Question 17. cuttings are made from..?

- A. stems and leaves.
- B. tubers and corms.
- C. rhizomes and bulbs.
- D. all of the above.

Question 18. is/are raised by layering?

- A. carnation.
- B. chrysanthemum.
- C. both a and b.
- D. none of the above.

Question 19. which propagation method is seldom used in propagation of ornamental plants?

- A. cutting.
- B. grafting.

- C. budding.
- D. division.

Question 20. flower bracts are..?

- A. modified leaves.
- B. modified stem.
- C. modified flowers
- D. all of the above.

Question 21. xeriscaping often means..?

- A. replacing grassy lawns with soil.
- B. replacing grassy lawns with rocks.
- C. replacing grassy lawns with drought-tolerant native species.
- D. all of the above.

Question 22. in window gardening..?

- (a). only ornamentals are grown.
- (b). edible plants are grown.
- (c). only herbs are grown.
- (d). all of the above.

Question 23. hanging basket is a part of..?

- (a). botanical garden.
- (b). kitchen garden.
- (c). indoor garden.
- (d). all of the above.

Question 24. the giant water lily is national flower of..?

- (a). usa.
- (b). srilanka.
- (c). japan.
- (d). guyana.

Question 25. a wide road with ornamental trees is known as..?

- (a). road.
- (b). avenue.
- (c). path.
- (d). trails.

SGS ARTS COLLEGE, TTD, TIRUPATI
DEPARTMENT OF BOTANY
CERTIFICATE COURSE IN "FLORICULTURE"

Batch 1 & 2

ACADEMIC YEAR: 2017-18

Final Examination

Max Marks: 50

Duration: 2 Hours

ANSWERS

1	C	11	C	21	D
2	B	12	B	22	D
3	D	13	B	23	D
4	D	14	A	24	D
5	C	15	A	25	B
6	B	16	B		
7	C	17	D		
8	B	18	C		
9	D	19	B		
10	A	20	A		

S G S ARTS COLLEGE, TIRUPATI

DEPARTMENT OF BOTANY

CERTIFICATE COURSE IN FLORICULTURE

Academic year : 2017-18

LIST OF STUDENTS COMPLETING THE COURSE:

Floriculture Certificate Course Students Name List Batch 1

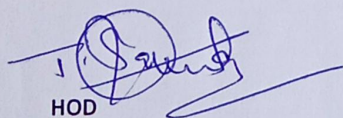
S.No	Name of the Student	Class	Roll No
1	A.Giri	III BBC	15781
2	Bala Kiran Kumar	III BBC	15782
3	B.Lokesh Reddy	III BBC	15783
4	B.Giribabu	III BBC	15784
5	C.Maheswari	III BBC	15785
6	C.Swathi	III BBC	15786
7	C.Sahadeva Kumar	III BBC	15787
8	D.Ambedakar	III BBC	15788
9	E.Ajithkumar	III BBC	15789
10	G.Mounika	III BBC	15790
11	J.Pavan Kumar	III BBC	15791
12	K.Hareesh	III BBC	15792
13	K.Sirisha	III BBC	15793
14	K.Nitheesh Kumar	III BBC	15794
15	K.Rajesh	III BBC	15795
16	K.Praveen Kumar	III BBC	15796
17	M.Karavati	III BBC	15798
18	M.Sudhakar	III BBC	15799
19	M.Dhanush	III BBC	15800
20	M Vimal Prabhau	III BBC	15801
21	M.Chandra Sekhar	III BBC	15802
22	M.Jyothi Reddy	III BBC	15803
23	N.Asthavadith	III BBC	15804
24	P.BhanuPrakash	III BBC	15805
25	P.V.Sandeep	III BBC	15806
26	P.SivaKumar	III BBC	15807
27	P.Chandra sekhar	III BBC	15808
28	P.Venkat sai Kumar	III BBC	15809
29	P.Ravi	III BBC	15810
30	O.Praveen Kumar	III BBC	15811

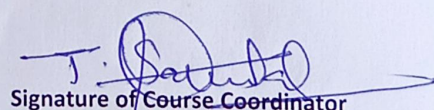
31	R.Muniprakash	III BBC	15812
32	S.Viswanath	III BBC	15813
33	S.Anoof	III BBC	15814
34	U.Daniel	III BBC	15815
35	V.Siva	III BBC	15816
36	V.Elumalai	III BBC	15817
37	Y.Bhanuprasad	III BBC	15818
38	Y.Rajasekhar Reddy	III BBC	15819
39	Y.Arivand	III BBC	15820
40	Y.Vikas Reddy	III BBC	15821
41	Anil Kumar A	III CBZ	15530
42	Aswini C	III CBZ	15531
43	Hari Naik Megavath	III CBZ	15334
44	Harikrishna P	III CBZ	15335
45	Kaveri V	III CBZ	15537

Floriculture Certificate Course Students Name List Batch 2

S.No	Name of the Student	Class	Roll No
1	Amarnath .T	III MZC	15581
2	Anji Naik N	III MZC	15582
3	Chittivinayaka.M	III MZC	15584
4	Damodaram K	III MZC	15585
5	Devaki M	III MZC	15586
6	Ganesh A	III MZC	15587
7	Ganesh AR	III MZC	15588
8	Gangadhar AM	III MZC	15589
9	Harinath S	III MZC	15591
10	Hemanth.G	III MZC	15593
11	Jagadeesh Babu R	III MZC	15594
12	Lavanya Y	III MZC	15596
13	Madan Mohan D	III MZC	15597
14	Manasa Veena P	III MZC	15599
15	Naveen Kumar T	III MZC	15600
16	Pravallika A	III MZC	15601

17	Purushotham Naik S	III MZC	15602
18	Raghavendra K	III MZC	15603
19	Rajini Priya G	III MZC	15604
20	Sandeep M	III MZC	15605
21	Subbarayudu B	III MZC	15607
22	Thejaswi R	III MZC	15608
23	Varun Teja T	III MZC	15609
24	Veeranjineyulu B	III MZC	15610
25	Venkatesh N	III MZC	15612
26	Vijaya Kumar K	III MZC	15613
27	Kosigaiah K	III CBZ	15538
28	Pradeep D	III CBZ	15540
29	Rajendra P	III CBZ	15541
30	Ravi G	III CBZ	15542
31	Reddi Praveen G	III CBZ	15543
32	Sagar T	III CBZ	15544
33	Sai Ram B	III CBZ	15545
34	Santhosh Kumar K	III CBZ	15546
35	Saraswathi .T	III CBZ	15547
36	Saritha G	III CBZ	15548
37	Shobha K	III CBZ	15550
38	Supriya B	III CBZ	15551
39	Thulasi B	III CBZ	15552
40	Venkatesh B	III CBZ	15553
41	Vijaya Kumar S	III CBZ	15554


HOD


Signature of Course Coordinator
HEAD
Dept. of Botany
S.G.S. Arts College, TIRUPATI

SGS ARTS COLLEGE, TTD, TIRUPATI
DEPARTMENT OF BOTANY
CERTIFICATE COURSE IN "FLORICULTURE"
STUDENTS TEST ATTENDANCE BATCH 1

Date: 04-09-2017

Timing: 4:00 to 5:00 PM

S.No	Roll No	Name of the Student	Signature
1	15781	A.Giri	A. Giri
2	15782	Bala Kiran Kumar	Bala Kiran Kumar
3	15783	B.Lokesh Reddy	B. Lokesh Reddy
4	15784	B.Giribabu	B. Giribabu
5	15785	C.Maheswari	C. Maheswari
6	15786	C.Swathi	C. Swathi
7	15787	C.Sahadeva Kumar	C. Sahadeva Kumar
8	15788	D.Ambedkar	D. Ambedkar
9	15789	E.Ajithkumar	E. Ajithkumar
10	15790	G.Mounika	G. Mounika
11	15791	J.Pavan Kumar	J. Pavan Kumar
12	15792	K.Hareesh	K. Hareesh
13	15793	K.Sirisha	K. Sirisha
14	15794	K.Nitheesh Kumar	K. Nitheesh Kumar
15	15795	K.Rajesh	K. Rajesh
16	15796	K.Praveen Kumar	K. Praveen Kumar
17	15798	M.Karavati	M. Karavathi
18	15799	M.Sudhakar	M. Sudhakar
19	15800	M.Dhanush	M. Dhanush
20	15801	M Vimal Prabhu	M. Vimal prabhu
21	15802	M.Chandra Sekhar Naik	M. Chandra Sekhar Naik
22	15803	M.Jyothi Reddy	M. Jyothi Reddy
23	15804	N.Asthavadi	N. Asthavadi
24	15805	P.BhanuPrakash	P. Bhanu Prakash
25	15806	P.V.Sandeep	P.V. Sandeep
26	15807	P.SivaKumar	P. Sivakumar
27	15808	P.Chandra sekhar	P. Chandrasekhar
28	15809	P.Venkat sai Kumar	P. Venkata Sai Kumar
29	15810	P.Ravi	P. Ravi
30	15811	O.Praveen Kumar	O. Praveen Kumar
31	15812	R.Muniprakash	R. Muniprakash
32	15813	S.Viswanath	S. Viswanath
33	15814	S.Anoof	S. Anoof
34	15815	U.Daniel	U. Daniel
35	15816	V.Siva	V. Siva
36	15817	V.Elumalai	V. Elumalai

S.No	Roll No	Name of the Student	Signature
37	15818	Y.Bhanuprasad	Y. Bhanuprasad
38	15819	Y.Rajasekhar Reddy	Y. Rajasekhar Reddy
39	15820	Y.Arivand	Y. Arivand
40	15821	Y.Vikas Reddy	Y. Vikas Reddy
41	15530	Anil Kumar A	A. Anil Kumar
42	15531	Aswini C	C. Aswini
43	15334	Hari Naik Megavath	Hari Naik Megavath
44	15335	Harikrishna P	P. Harikrishna
45	15537	Kaveri V	V. Kaveri

SGS ARTS COLLEGE, TTD, TIRUPATI
DEPARTMENT OF BOTANY
CERTIFICATE COURSE IN "FLORICULTURE"
STUDENTS TEST ATTENDANCE BATCH 2

Date: 04-09-2017

Timinig: 4:00 to 5:00 PM

S.No	Roll No	Name of the Student	Signature
1	15581	Amarnath .T	T. Amarnath
2	15582	Anji Naik N	Anji Naik N
3	15584	Chittivinayaka.M	M. Chittivinayaka
4	15585	Damodaram K	K. Damodaram
5	15586	Devaki M	M. Devaki
6	15587	Ganesh A	A. Ganesh
7	15588	Ganesh AR	AR-Ganesh
8	15589	Gangadhar AM	Gangadhar
9	15591	Harinath S	Harinath
10	15593	Hemanth.G	Hemanth.G
11	15594	Jagadeesh Babu R	R. Jagadeesh Babu
12	15596	Lavanya Y	Y. Lavanya
13	15597	Madan Mohan D	D. Madan Mohan
14	15599	Manasa Veena P	Manasa Veena . P
15	15600	Naveen Kumar T	T. Naveen Kumar
16	15601	Pravallika A	Pravallika
17	15602	Purushotham Naik S	S. purushotham Naik
18	15603	Raghavendra K	K. Raghavendra
19	15604	Rajini Priya G	G. Rajini Priya
20	15605	Sandeep M	M. Sandeep
21	15607	Subbarayudu B	B. Subba Rayudu
22	15608	Thejaswi R	R. Thejaswi
23	15609	Varun Teja T	Varun Teja
24	15610	Veeranjineyulu B	B. Veeranjineyulu
25	15612	Venkatesh N	N. Venkatesh
26	15613	Vijaya Kumar K	K. Vijaya Kumar
27	15538	Kosigaiah K	K. Kosigaiah
28	15540	Pradeep D	D. Pradeep
29	15541	Rajendra P	P. Rajendra
30	15542	Ravi G	G. Ravi.
31	15543	Reddi Praveen G	G. Reddi Praveen
32	15544	Sagar T	Sagar

S.No	Roll No	Name of the Student	Signature
33	15545	Sai Ram B	B. Sai Ram
34	15546	Santhosh Kumar K	K. Santhosh Kumar
35	15547	Saraswathi .T	T. Saraswathi
36	15548	Saritha G	G. Saritha
37	15550	Shobha K	K. Shobha
38	15551	Supriya B	B. Supriya
39	15552	Thulasi B	B. Thulasi
40	15553	Venkatesh B	B. Venkatesh
41	15554	Vijaya Kumar S	S. Vijaya Kumar

SGS ARTS COLLEGE, TTD, TIRUPATI
DEPARTMENT OF BOTANY
CERTIFICATE COURSE IN "FLORICULTURE"
MARKS SHEET BATCH 1

S.No	Roll No	Name of the Student	Marks in Figure	Marks in Words
1	15781	A.Giri	20	Two Zero.
2	15782	Bala Kiran Kumar	23	Two Three
3	15783	B.Lokesh Reddy	24	Two Four
4	15784	B.Giribabu	19	one nine.
5	15785	C.Maheswari	21	Two One.
6	15786	C.Swathi	22	Two Two
7	15787	C.Sahadeva Kumar	18	one eight.
8	15788	D.Ambedakar	23	Two Three
9	15789	E.Ajithkumar	24	Two Four.
10	15790	G.Mounika	16	one Six
11	15791	J.Pavan Kumar	20	Two Zero.
12	15792	K.Hareesh	22	Two Two.
13	15793	K.Sirisha	23	Two Three
14	15794	K.Nitheesh Kumar	17	one Seven.
15	15795	K.Rajesh	21	Two One.
16	15796	K.Praveen Kumar	23	Two Three
17	15798	M.Karavati	22	Two Two.
18	15799	M.Sudhakar	25	Two Five.
19	15800	M.Dhanush	21	Two one
20	15801	M Vimal Prabhau	18	one Eight.
21	15802	M.Chandra Sekhar Naik	15	one five.
22	15803	M.Jyothi Reddy	20	Two Zero.
23	15804	N.Asthavadith	25	Two Five.
24	15805	P.BhanuPrakash	22	Two Two.
25	15806	P.V.Sandeep	24	Two Four.
26	15807	P.SivaKumar	23	Two Three
27	15808	P.Chandra sekhar	22	Two o Two.
28	15809	P.Venkat sai Kumar	24	Two Four.
29	15810	P.Ravi	21	TWO one.
30	15811	O.Praveen Kumar	25	Two Five.
31	15812	R.Muniprakash	23	Two three.

S.No	Roll No	Name of the Student	Marks in Figure	Marks in Words
32	15813	S.Viswanath	22	Two Two
33	15814	S.Anoof	19	one nine
34	15815	U.Daniel	20	Two zero
35	15816	V.Siva	18	one eight
36	15817	V.Elumalai	23	Two three
37	15818	Y.Bhanuprasad	22	Two Two
38	15819	Y.Rajasekhar Reddy	25	Two five
39	15820	Y.Arivand	21	Two one
40	15821	Y.Vikas Reddy	17	One seven
41	15530	Anil Kumar A	20	Two zero
42	15531	Aswini C	25	Two five
43	15334	Hari Naik Megavath	20	Two zero
44	15335	Harikrishna P	21	Two one
45	15537	Kaveri V	22	Two Two

SGS ARTS COLLEGE, TTD, TIRUPATI
DEPARTMENT OF BOTANY
CERTIFICATE COURSE IN "FLORICULTURE"
MARKS SHEET BATCH 2

S.No	Roll No	Name of the Student	Marks in Figure	Marks in Words
1	15581	Amarnath .T	22	Two Two.
2	15582	Anji Naik N	24	Two Four.
3	15584	Chittivinayaka.M	21	Two one.
4	15585	Damodaram K	23	Two Three
5	15586	Devaki M	22	Two Two.
6	15587	Ganesh A	19	one nine.
7	15588	Ganesh AR	21	Two one
8	15589	Gangadhar AM	18	One eight.
9	15591	Harinath S	25	Two Five .
10	15593	Hemanth.G	20	Two Zero.
11	15594	Jagadeesh Babu R	22	Two Two.
12	15596	Lavanya Y	23	two three
13	15597	Madan Mohan D	17	One Seven .
14	15599	Manasa Veena P	19	One nine .
15	15600	Naveen Kumar T	20	Two zero.
16	15601	Pravallika A	23	Two three
17	15602	Purushotham Naik S	24	Two Four.
18	15603	Raghavendra K	25	Two Five.
19	15604	Rajini Priya G	21	Two One .
20	15605	Sandeep M	20	Two zero
21	15607	Subbarayudu B	24	Two Four.
22	15608	Thejaswi R	23	Two three
23	15609	Varun Teja T	25	Two Five .
24	15610	Veeranjineyulu B	16	One six .
25	15612	Venkatesh N	18	one eight
26	15613	Vijaya Kumar K	22	Two Two.
27	15538	Kosigaiah K	24	Two Four.
28	15540	Pradeep D	20	Two zero.
29	15541	Rajendra P	23	Two three
30	15542	Ravi G	25	Two Five.
31	15543	Reddi Praveen G	22	Two Two.
32	15544	Sagar T	20	Two zero.
33	15545	Sai Ram B	25	Two Five .

S.No	Roll No	Name of the Student	Marks in Figure	Marks in Words
34	15546	Santhosh Kumar K	23	Two Three
35	15547	Saraswathi .T	20	Two zero.
36	15548	Saritha G	24	Two Four.
37	15550	Shobha K	20	Two zero.
38	15551	Supriya B	25	Two Five.
39	15552	Thulasi B	20	Two zero.
40	15553	Venkatesh B	23	Two Three
41	15554	Vijaya Kumar S	21	Two one .

SGS ARTS COLLEGE, TTD, TIRUPATI

STUDENTS ATTENDANCE LIST BATCH I (THEORY) 9:00 AM to 10:00 AM

S.No	Roll No	Name of the Student
1	15781	A.Giri
2	15782	Bala Kiran Kumar
3	15783	B.Lokesh Reddy
4	15784	B.Giribabu
5	15785	C.Maheswari
6	15786	C.Swathi
7	15787	C.Sahadeva Kumar
8	15788	D.Ambedakar
9	15789	E.Ajithkumar
10	15790	G.Mounika
11	15791	J.Pavan Kumar
12	15792	K.Hareesh
13	15793	K.Sirisha
14	15794	K.Nitheesh Kumar
15	15795	K.Rajesh
16	15796	K.Praveen Kumar
17	15798	M.Karavati
18	15799	M.Sudhakhar
19	15800	M.Dhanush
20	15801	M Vinal Prabhau
21	15802	M.Chandras Sekhar Naik
22	15803	M.Jyothi Reddy
23	15804	N.Asthavadith
24	15805	P.BhanuPrakash

S.No	Roll No	Name of the Student
25	15806	P.V.Sandeep
26	15807	P.Sivakumar
27	15808	P.Chandra sekhar
28	15809	P.Venkat sai Kumar
29	15810	P.Ravi
30	15811	O.Praveen Kumar
31	15812	R.Muniprakash
32	15813	S.Viswanath
33	15814	S.Annoof
34	15815	U.Daniel
35	15816	V.Siva
36	15817	V.Elumalai
37	15818	Y.Bhanuprasad
38	15819	Y.Rajasekhar Reddy
39	15820	Y.Arivand
40	15821	Y.Vikas Reddy
41	15530	Anil Kumar A
42	15531	Aswini C
43	15334	Hari Naik Megavath
44	15335	Harikrishna P
45	15537	Kaveri V

(Handwritten signature)

DEPARTMENT OF BOTANY

CERTIFICATE COURSE IN "FLORICULTURE"

STUDENT'S ATTENDANCE LIST BATCH 1 (PRACTICAL) 4:00 PM to 5:00 PM

a *b* *c* *d* *e* *f* *g* *h* *i* *j* *k* *l* *m* *n* *o* *p* *q* *r* *s* *t* *u* *v* *w* *x* *y* *z*

SGS ARTS COLLEGE, TTD, TIRUPATI
DEPARTMENT OF BOTANY
CERTIFICATE COURSE IN "FLORICULTURE"

STUDENTS ATTENDANCE LIST BATCH 2 (THEORY) 4:00 PM to 5:00 PM

S.No	Roll No	Name of the Student	07-08-2017	08-08-2017	09-08-2017	10-08-2017	11-08-2017	14-08-2017	16-08-2017	17-08-2017	18-08-2017	19-08-2017	21-08-2017	22-08-2017	23-08-2017	24-08-2017	26-08-2017	28-08-2017	29-08-2017	30-08-2017	31-08-2017	01-09-2017
1	15581	Amarnath . T	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	15582	Anji Naik N	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	15584	Chittivinyaka.M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	15585	Damodaram K	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	15586	Devaki M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	15587	Ganesh A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	15588	Ganesh AR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	15589	Gangadhar AM	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	15591	Harinath S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	15593	Hemanth. G	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	15594	Jagadeesh Babu R	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	15596	Lavanya Y	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	15597	Madan Mohan D	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	15599	Manasa Veena P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	15600	Naveen Kumar T	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	15601	Pravallika A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	15602	Purushotham Naik S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	15603	Raghavendra K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	15604	Rajini Priya G	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	15605	Sandeep M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	15607	Subbarayudu B	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

(Handwritten signature/initials across the bottom of the attendance list)

S.No	Roll No	Name of the Student	07-08-2017	08-08-2017	09-08-2017	10-08-2017	11-08-2017	14-08-2017	16-08-2017	17-08-2017	18-08-2017	19-08-2017	21-08-2017	22-08-2017	23-08-2017	24-08-2017	26-08-2017	28-08-2017	29-08-2017	30-08-2017	31-08-2017	01-09-2017
22	15608	Thejaswi R	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	15609	Varun Teja T	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	15610	Veeranjinayulu B	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	15612	Venkatesh N	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	15613	Vijaya Kumar K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	15538	Kosigaiah K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	15540	Pradeep D	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	15541	Rajendra P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30	15542	Ravi G	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31	15543	Reddi Praveen G	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
32	15544	Sagar T	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
33	15545	Sai Ram B	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
34	15546	Santhosh Kumar K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
35	15547	Saraswathi . T	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
36	15548	Saritha G	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
37	15550	Shobha K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
38	15551	Supriya B	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
39	15552	Thulasi B	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
40	15553	Venkatesh B	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
41	15554	Vijaya Kumar S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Handwritten signature/initials across the bottom of the page.

DEPARTMENT OF BOTANY

DEPARTMENT OF BOTANY
CERTIFICATE COURSE IN "FLORICULTURE"

STUDENTS ATTENDANCE LIST BATCH 2 (PRACTICAL) 9:00 AM to 10:00 AM

S.No	Roll No	Name of the Student
1	15581	Amarnath .T
2	15582	Anji Naik N
3	15584	Chittivinyaka.M
4	15585	Damodaram K
5	15586	Devaki M
6	15587	Ganesh A
7	15588	Ganesh AR
8	15589	Gangadhar AM
9	15591	Harinath S
10	15593	Hemanth.G
11	15594	Jagadeesh Babu R
12	15596	Lavanya Y
13	15597	Madan Mohan D
14	15599	Manasa Veena P
15	15600	Naveen Kumar T
16	15601	Pravallika A
17	15602	Purushotham Naik
18	15603	Raghavendra K
19	15604	Rajini Priya G

S.No	Roll No	Name of the Student
20	15605	Sandeep M
21	15607	Subbarayudu B
22	15608	Thejaswi R
23	15609	Varun Teja T
24	15610	Veeranjinneyulu B
25	15612	Venkatesh N
26	15613	Vijaya Kumar K
27	15538	Kosigaiah K
28	15540	Pradeep D
29	15541	Rajendra P
30	15542	Ravi G
31	15543	Reddi Praveen G
32	15544	Sagar T
33	15545	Sai Ram B
34	15546	Santhosh Kumar K
35	15547	Saraswathi .T
36	15548	Saritha G
37	15550	Shobha K
38	15551	Supriya B
39	15552	Thulasi B
40	15553	Venkatesh B
41	15554	Vijaya Kumar S

1. $\frac{1}{2} \frac{d}{dt} \left(\frac{1}{2} m v^2 \right) = \frac{1}{2} m v \frac{dv}{dt}$
 2. $\frac{1}{2} m v \frac{dv}{dt} = \frac{1}{2} m v \frac{dv}{dt}$
 3. $\frac{1}{2} m v \frac{dv}{dt} = \frac{1}{2} m v \frac{dv}{dt}$
 4. $\frac{1}{2} m v \frac{dv}{dt} = \frac{1}{2} m v \frac{dv}{dt}$
 5. $\frac{1}{2} m v \frac{dv}{dt} = \frac{1}{2} m v \frac{dv}{dt}$
 6. $\frac{1}{2} m v \frac{dv}{dt} = \frac{1}{2} m v \frac{dv}{dt}$
 7. $\frac{1}{2} m v \frac{dv}{dt} = \frac{1}{2} m v \frac{dv}{dt}$
 8. $\frac{1}{2} m v \frac{dv}{dt} = \frac{1}{2} m v \frac{dv}{dt}$
 9. $\frac{1}{2} m v \frac{dv}{dt} = \frac{1}{2} m v \frac{dv}{dt}$
 10. $\frac{1}{2} m v \frac{dv}{dt} = \frac{1}{2} m v \frac{dv}{dt}$