



PSC & KVSC Government College
(Affiliated to Rayalaseema University, Kurnool)
Bommalasatram, Nandyal, Nandyal District
Andhra Pradesh - 518502

DEPARTMENT OF BOTANY
CERTIFICATE COURSE
REGISTER

Academic year 2017-18

Name of the course started :- Nursery Management & Grafting Methods.
 Course started from :- 22.12.17 to 19.2.18
 No of students participated :- 20

Name of the student	class	Signature of the student
1. B. Varalakshmi	III B2C	B. Varalakshmi
2. B. Uma Maheswari	III B2C	B. Uma Maheswari
3. B. Chennamma	III B2C	B. Chennamma
4. B. Sireesha	III B2C	B. Sireesha
5. C. Sireesha	III B2C	C. Sireesha
6. D. Balaji Naik	III B2C	D. Balaji Naik
7. D. Nareesh Naik	III B2C	D. Nareesh Naik
8. G. Sukanya	III B2C	G. Sukanya
9. I. Pallavi	III B2C	I. Pallavi
10. K. B. Chandra Siddaiah	III B2C	K. B. Chandra Siddaiah
11. L. Bala Chandrudu	III B2C	L. Bala Chandrudu
12. M. Deva Raj	III B2C	M. Deva Raj
13. O. Raju	III B2C	O. Raju
14. P. Mamatha	III B2C	P. Mamatha
15. P. Vijaya lakshmi	III B2C	P. Vijaya lakshmi
16. S. Suneetha	III B2C	S. Suneetha
17. T. Anjanamma	III B2C	T. Anjanamma
18. T. Sreevani	III B2C	T. Sreevani
19. Y. Jhansi	III B2C	Y. Jhansi
20. Y. Chinna Moni	III B2C	Y. Chinna Moni
21. G. Pavan kalyani	III B2C	G. Pavan kalyani
22. P. Laxmi Kumar	III B2C	P. Laxmi Kumar

Lecturers Involved:

[Handwritten signatures]



Bag's preparation



Stem cuttings (Herbaceous Cuttings)



Guiding Method



Planting the seedlings.



Demonstration of Grafting technique.



Certificates Issued.

P. Suresh ⁰³/_{09/18}

Academic year 2018-19.

Name of the course started : Nursing Management & Guiding Methods.
 course started from : 27-08-18 to 19-12-18
 No. of students participated : 29

Name of the student	class	Sign of the student
1. A. Varalakshmi	III B2C	A. Varalakshmi
2. B. Lakshmi Devi	III B2C	B. Lakshmi Devi
3. B. Veeravathi	III B2C	B. Veeravathi
4. D. Baby	III B2C	D. Baby
5. D. prem kumar	III B2C	D. prem kumar
6. G. Sudheer	III B2C	G. Sudheer
7. K. prakash	IV B2C	K. prakash
8. K. Shelchanna	III B2C	K. Shelchanna
9. K. Vani	III B2C	K. Vani
10. K. Sravani	III B2C	K. Sravani
11. M. Mounika	III B2C	M. Mounika
12. M. Sudhakar Raju.	III B2C	M. Sudhakar Raju
13. M. peddappa	III B2C	M. peddappa
14. M. Rani prameela	III B2C	M. Rani prameela
15. M. Divya	III B2C	M. Divya
16. M. Sathya	III B2C	M. Sathya
17. M. Nirmala	III B2C	M. Nirmala
18. N. Madhavi	III B2C	N. Madhavi
19. N. yelleswaraiiah	III B2C	N. yelleswaraiiah
20. P. kavitha	III B2C	P. kavitha
21. R. Anjali Bai	III B2C	R. Anjali Bai
22. S. Subba Rayudu	III B2C	S. Subbarayudu
23. S. Moulali	III B2C	S. Moulali
24. Shaik. Hussain Basha	III B2C	S. Hussain Basha
25. T. padma vathi	III B2C	T. Padma vathi
26. V. Nageswar Reddy	III B2C	V. Nageswar Reddy
27. Y. Madhavi	III B2C	Y. Madhavi
28. B. Marnatha.	III B2C	B. Marnatha
29. Shaik. Saddam Hussain.	III B2C	S. Saddam Hussain



"Soil, compost mixing - filling the Bags."



"Stem cuttings"



Vegetative propagation through 'Stem cutting'





Bags preparation, watering.



Air layering



Bag preparation



stem & Leaf cuttings



planting saplings.



Academic year 2019 - 2020

Name of the Certificate Course started: Nursery Management & Grafting Methods.

Course started from: 21.05.2019 to 31.01.2020.

No. of Students participated: 27.

Name of the Student	Class	Sign. of the Student
1. Shaik Imam Bee	III BZC	Sk. Imambee.
2. B. Sudarshanam	III BZC	B. Sudharshanam
3. B. Lakshmi Devi	III BZC	B. Lakshmi devi
4. B. Siva kumar	III BZC	B. siva kumar
5. B. Chandrika	III B-Z-C	B. chandrika.
6. B. Venkatadri	III B-Z-C	C. Venkatadri
7. C. Manasa.	III BZC	C. Manasa
8. Ch. Sirisha.	III BZC	Ch. Sireesha
9. E. Bhagyalakshmi	III BZC	E. Bhagya Lakshmi
10. K. prameela Rani	III B-Z-C	K. prameela Rani
11. K. Suresh.	III BZC	K. Suresh
12. L. pravallika.	III BZC	L. Pravallika
13. M. Vani	III BZC	M. Vani
14. M. Venkateswari	III BZC	M. Venkateswari
15. P. Vani	III BZC	P. Vani
16. P. Roselin	III BZC	P. Roselin
17. P. Ramesh	III BZC	P. Ramesh.
18. P. Roblesu	III BZC	P. Roblesu.
19. P. Lakshmi Bharathi	III B-Z-C	P. Lakshmi bharathi
20. P. Chaitanya Rani	III B-Z-C	P. chaitanya Rani
21. P. Deepika	III B-Z-C	P. Deepika.
22. R. Tabitha	III BZC	R. Tabitha.
23. S. Madhu Mohan Naidu	III BZC	S. Madhu mohannaidu
24. S. Nagesh	III BZC	S. nagesh
25. S. Vijaya chandra.	III BZC	S. vijaya chandra
26. T. Sudarshan.	III BZC	T. Sudharshan
27. M. Chinna peddanna.	III B-Z-C	M. chinna peddanna.

Soil & Compost mixing.



preparation of Soil composition



- Bags filling.



preparation of Bags



Preparation of Bags & Watering



Vegetative propagation through stem cuttings.

planting the saplings



plantation

'Layering' Demonstration



Demonstration
of
Grafting.





பெரிய அளவில் இவ்வாறு செய்வதற்கு
தேவையான அளவுக்கு இவ்வாறு செய்வதற்கு





Making of compost pit

Demonstration of stem cuttings.



N. P. S. Reddy
PRINCIPAL
PSC & KVSC Government College
NANDYAL, Nandyal (Dt.), A.P.

Academic year 2021 - 2022

Name of the certificate course : Nursery Management & Grafting Techniques

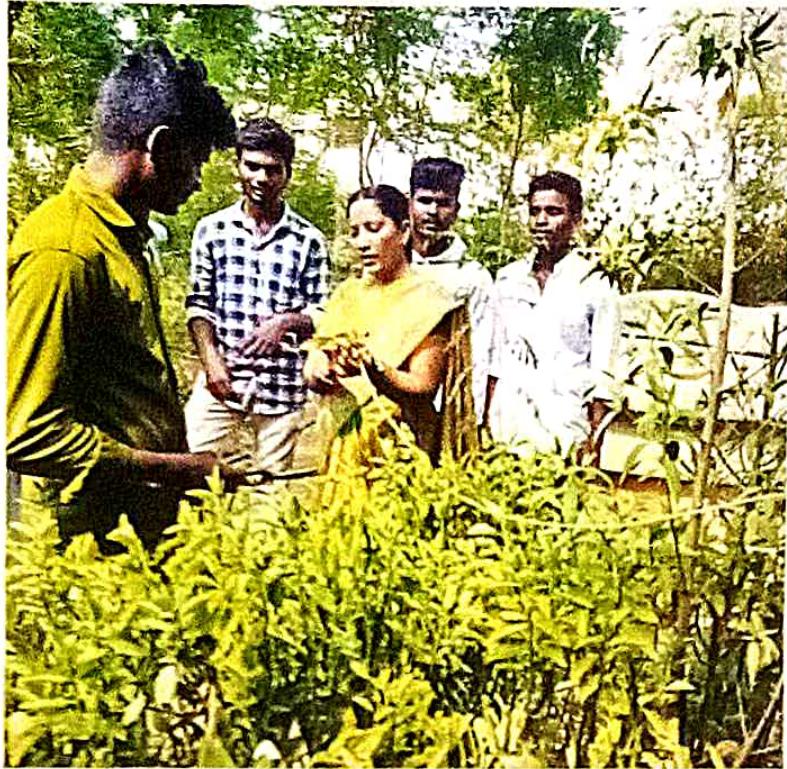
Course started from : 15.11.2021 to 24.01.2022

No. of students participated : 29.

Name of the student	class	Signature of the student
1. AA. Bheema Mahesh	III rd BZC	M. Bhuya Markh.
2. B. Vamsi kumar	III rd BZC	B. Vamsi Kumar
3. D. Sireesha	III rd BZC	D. Sireesha
4. D. kavani	III rd B.Z.C	D. kavani
5. G. Naga Suresh	III rd B.Z.C	G. Naga Suresh
6. G. Chinna kasamma	III rd BZC	G. chinna kasamma
7. G. Naga lakshmi	III rd BZC	G. Naga lakshmi
8. G. Venkata Saraswathi	3 rd B.Z.C	G. Venkata Saraswathi
9. I. pavan kalyan	3 rd B.Z.C	I. Pavan kalyan
10. I. Malleswari	III rd B.Z.C	I. Malleswari
11. K. Sunil	III rd B.Z.C	K. Sunil
12. K. Naveen	III rd B.Z.C	K. Naveen
13. M. Sravani	III rd B.Z.C	M. Sravani
14. M. Jamal Bee	III rd B.Z.C	M. Jamal Bee
15. M. Rajasree	III rd B.Z.C	M. Rajasree
16. M. Malik Bhasha	III rd B.Z.C	M. Malik Bhasha
17. P. kalyani	III rd B.Z.C	P. kalyani
18. T. Anantha lakshmi	III rd B.Z.C	T. Anantha lakshmi
19. C. Raju	III rd B.Z.C	C. Raju
20. S. Maunni	III rd B.Z.C	S. Maunni
21. N. Mohan Sai	III rd B.Z.C	N. Mohan Sai
22. P. Lakshmi prasanna	III rd B.Z.C	P. Lakshmi prasanna
23. K. Nirmala Bai	III rd B.Z.C	K. Nirmala Bai
24. K. Sarada Bai	III rd B.Z.C	K. Sarada Bai
25. M. kalyani	III rd BZC	M. kalyani
26. P. Supriya	III rd BZC	P. Supriya
27. P. Kumari Bai	III rd BZC	P. Kumari Bai
28. P.G. Charan Madhav	III rd BZC	P.G. Charan madhav
29. S. Shabhana	III rd B.Z.C	S. Shabhana



Demonstration of stem & leaf cutting.



Students observing the techniques



Certificate distribution



Principals

PRINCIPAL

Government College

Certificate course in

GRAFTING TECHNIQUES AND NURSERY MANAGEMENT



PSC&KVSC GOVERNMENT COLLEGE, NANDYAL



DEPARTMENT OF BOTANY

"GRAFTING TECHNIQUES AND NURSERY MANAGEMENT"

Syllabus

1. History of Horticulture, particular to India.
2. Tree improvements - General concepts.
Role of nursery in *In-situ* and *Ex-situ* conservation of plants.
3. Selection of plants—Woody and Non-woody
Herbs, Shrubs, Trees, Climbers, Creepers
4. Vegetative Propagation techniques:
 - Cuttings – Root cuttings, Stem cuttings for herbaceous, soft wood, hard wood, leaf, leaf bud cuttings Root cuttings
 - Grafting - Scion grafting, Veneer grafting, Cleft grafting, tongue approach grafting, Bud grafting,
 - Layering- simple layering, Air layering, Mound layering
4. Multiplication Garden – Establishment and maintenance – spacing, weeding, watering, fertilizers and pesticides.
5. Potting Media- solid waste management, copost
6. Nursery Management
7. Cost- benefit analysis.

Faculty and Resource persons Involved

1. P. Prasada Rao, Lecturer in Botany
2. V.J. Sailaja Rani, Lecturer in Botany
3. Dr. K. Omkar, Lecturer in Botany . Dr. M. Ramesh , P.E. Vijayendra
Lec. in Botany, Lec. in Botany,
4. Sri. Babu Rao, Resource person from Panyam nurseries and State level Awardee in Horticulture.
5. Dr. Saralamma, Senior Scientist, DAT center, (Agriculture Department) Kurnool

Fields Visited

1. Panyam Nurseries
2. Botanical Garden of college campus
3. Forest Department Nurseries raised at Mahanandi

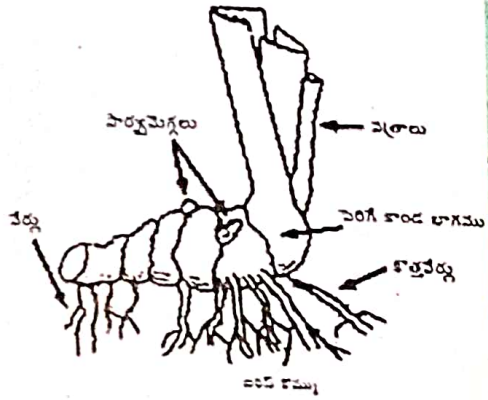
Department of Botany
Certificate Course on Plant Nursery
Management and Grafting methods



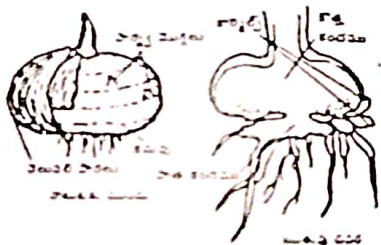
నర్సరీ పెంపకంలో
ఉపయోగించే వివిధ శాఖీయ
భాగాలు

నర్సరీ పెంపకంలో
ఉపయోగించే వివిధ శాఖీయ
భాగాలు

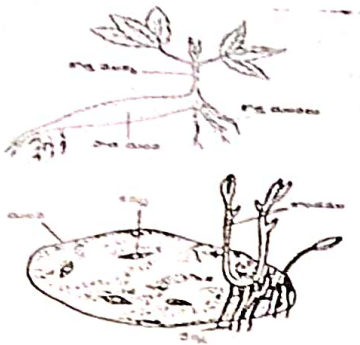
రైజోమ్ - అల్లం, పసుపు, ఎదురు, తామర



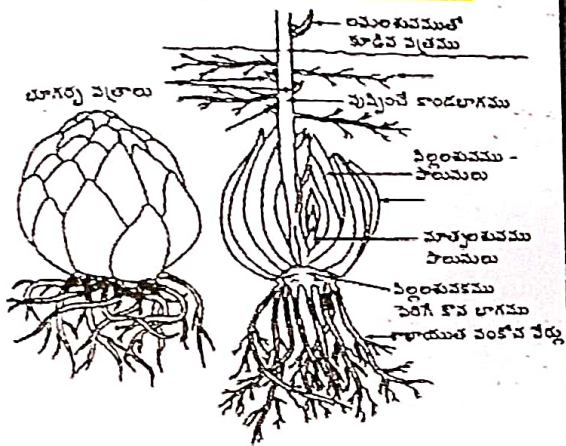
కందముల ద్వారా - క్రొకన్



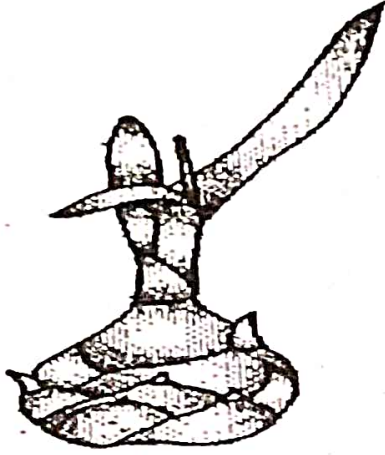
ದುಂಪಲ ದ್ವಾರ- ಬಂಗಾಳ ದುಂಪ



లశునముల ద్వారా- ఉల్లి, వెల్లులి

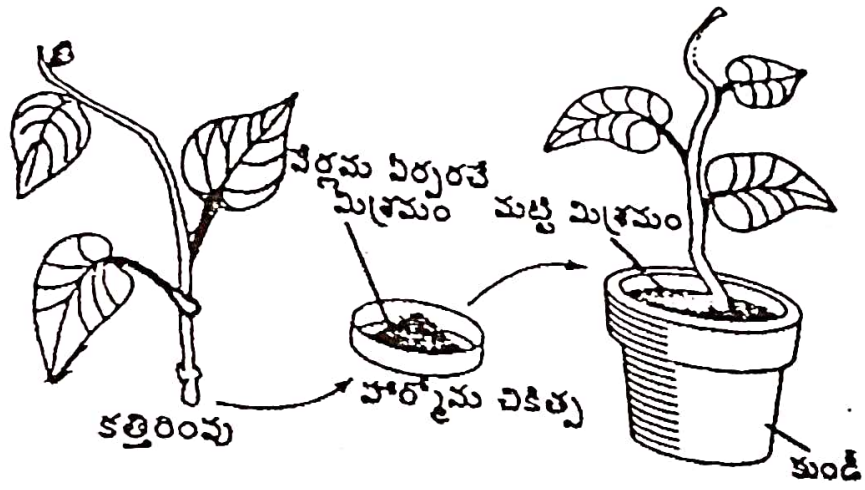


లఘు లఘునముల ద్వారా - తిల్లి, బిగ్గెనియా



కాండ కత్తిరింపులు

5



పటం 20.1 కాండపు కొవ కత్తిరింపు పద్ధతి

కత్తిరింపుల ద్వారా మొక్కల వ్యాప్తి విధానాలు

• కాండ కత్తిరింపులు :

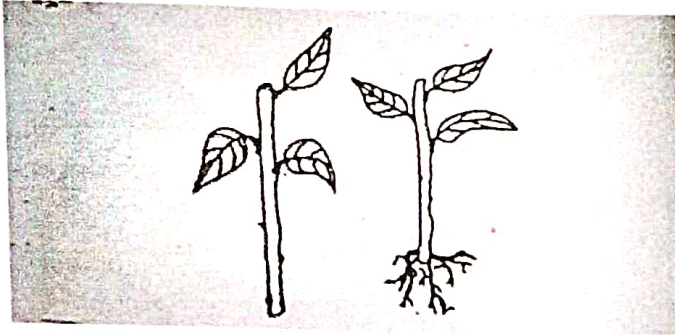
1. గట్టి కాండ కత్తిరింపులు :



మృదు కాండ కత్తిరింపులు - రోజ్



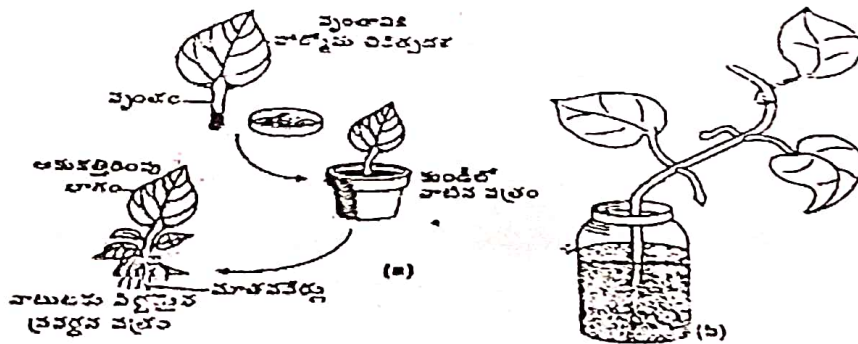
సెమి హార్డ్ వుడ్ కటింగ్ - మామిడి , జామ , నిమ్మ



Leaf Cuttings and Root cuttings – apple, pear, cherry

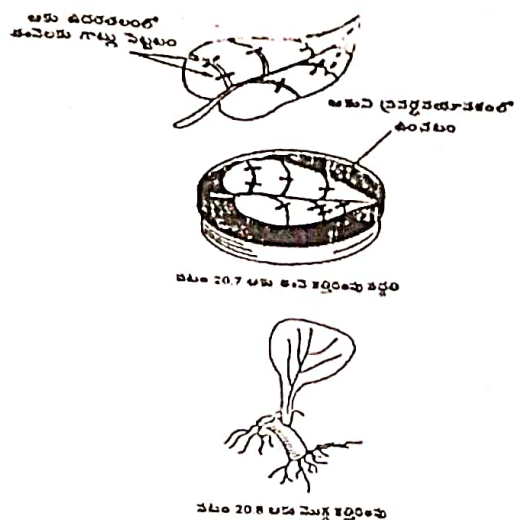
522

పునరాశ్రయము-III



నటం 20.6 (ఎ) ఆకు కత్తిరింపు వర్ణన, (బి) నీటిలో వేర్ల ఉప్పులను ఉంచుట

Leaf Cuttings – Bryophyllum, Begonia, sansevieria



విత్తన వ్యాప్తి వలన ప్రయోజనాలు

- నారు మొక్కలు చౌకగా లభిస్తాయి .
- సంకర మొక్కలు రూపొందిస్తారు
- విత్తనాల ద్వారా రూపొందిన మొక్కలు ఎక్కువ కాలం జీవిస్తాయి
- పైరస్ వ్యాధులు విత్తనాల ద్వారా వ్యాపించవు .
- విత్తనాల ద్వారా ఉత్పత్తి అయిన మొక్కలు ఎక్కువ కాలం నిల్వ చేయవచ్చు .

SEED TRAY



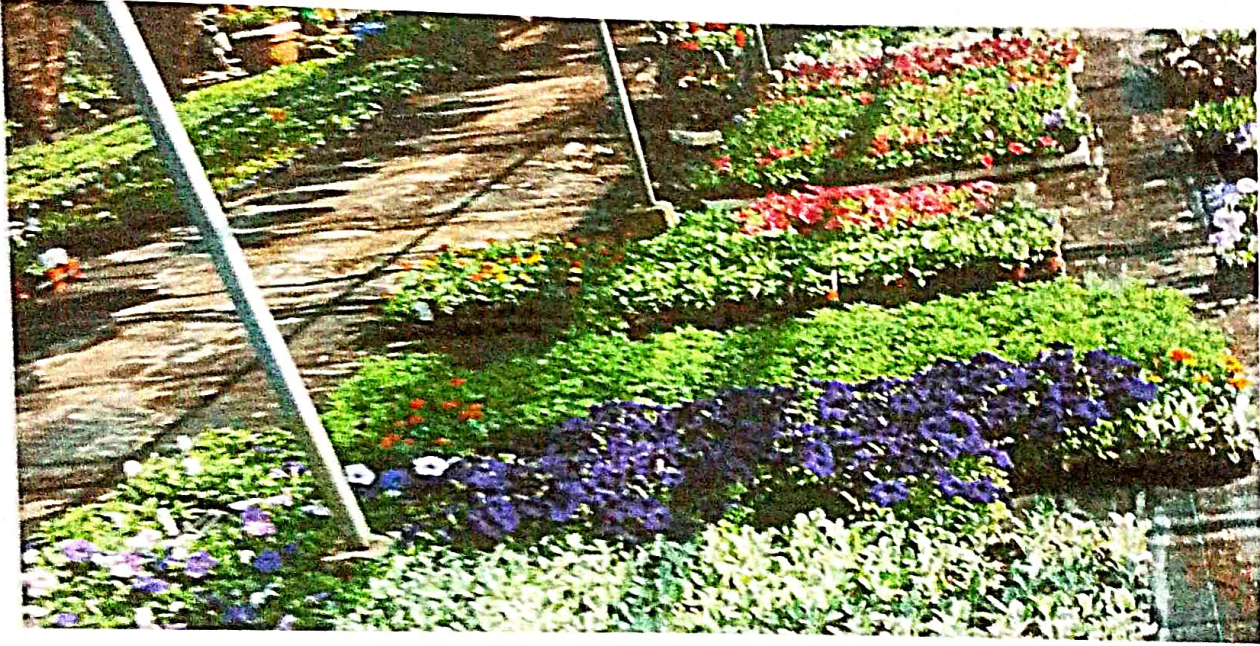
విత్తన అంకురోత్పత్తి పై ప్రభావం చూపే కారకాలు గురించి వ్రాయుము

- ఉష్ణోగ్రత
- తేమ
- విత్తనాలు నాటే సమయం
- విత్తనాలు నాటే లోతు
- విత్తన కవచం
- విత్తన సామర్థ్యం
- విత్తన సుష్టావస్థ
- విత్తన చీడలు
- విత్తన వ్యాధులు

నర్సరీ బెడ్

- కలుపు మొక్కలు, రాళ్ళు లేని నేలను నర్సరీ బెడ్ అంటారు.
- నర్సరీ బెడ్స్- రకాలు :

1. సెంకెస్ బెడ్ - పొడి ప్రదేశాలలో మా మట్టానికి 10-15సం.మీ లోతులో తయారు చేస్తారు. వీటిని పొడి మరియు గాలులు ఎక్కువగా వున్నా ప్రదేశాలలో తయారు చేస్తారు. నీరు అదా అవుతుంది
2. లాంఛ్ బెడ్ / ఫ్లాట్ బెడ్ : వేసవి, శీత కాలంలో తయారు చేస్తారు
3. రైస్ బెడ్ : నేలకు 15సం.మీ ఎత్తులో తయారు చేస్తారు. వీటిని వర్షా కాలంలో తయారు చేస్తారు

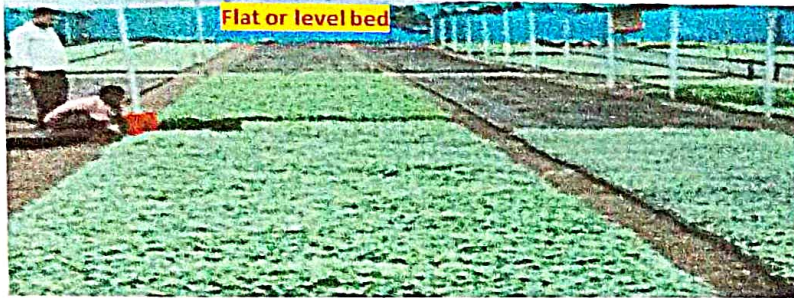




Sunken beds



Raised beds



Flat or level bed

నర్సరీ బెడ్ తయారీలో తీసుకోవలసిన జాగ్రత్తలు

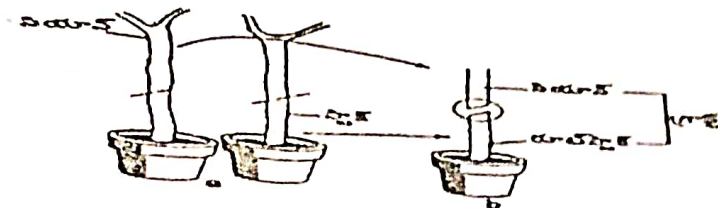
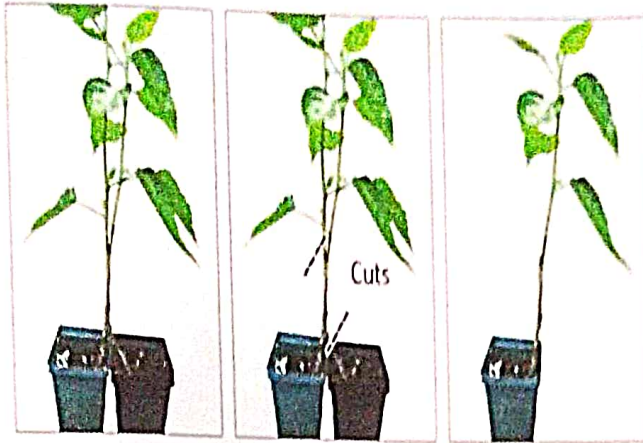
- నర్సరీ బెడ్ నాటిన విత్తనాలు మొలకేత్తుటకు, లేదా కత్తిరింపుల నుండి పేర్లు ఎర్పడుటకు తయారు చేస్తారు .
- పోషణ
- తేమ, వాయు ప్రసరణ
- తగినంత నీటి పారుదల
- బెడ్ వెడల్పు 1 మీటర్
- పాక్షికంగా నీడ వుండే ప్రదేశాలలో ఏర్పాటు చేయాలి
- సంద్రియ పదార్థాలు అధికంగా వుండే నేలలో ఏర్పాటు చేయాలి.



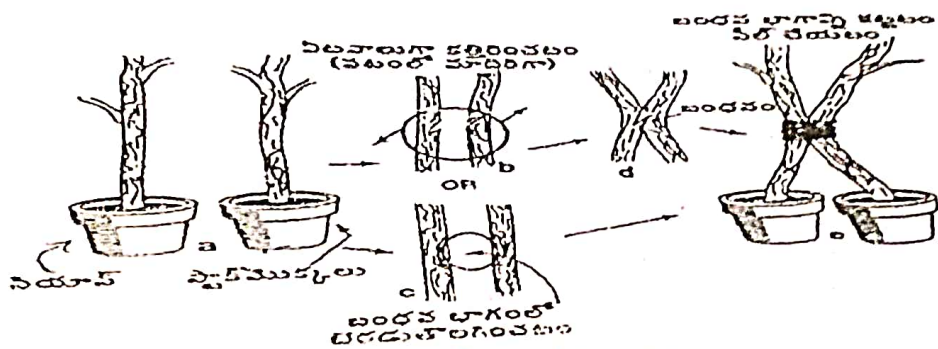
GRAFTING

అంటు కట్టుట

Approach Grafting



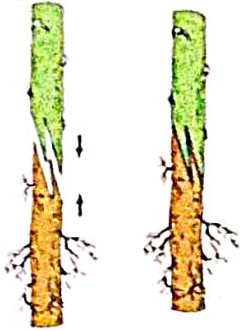
పటం 20.9 చీమచెట్ల నియోన్ గ్రాఫ్‌టింగ్ దశలు



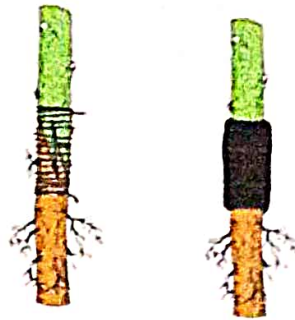
పటం 20.10 ఎప్రోచ్ గ్రాఫ్‌టింగ్ విధి దశలు

TONGUE GRAFTING

The stock and scion are slipped together the tongues interlocking



The graft is then tied and sealed

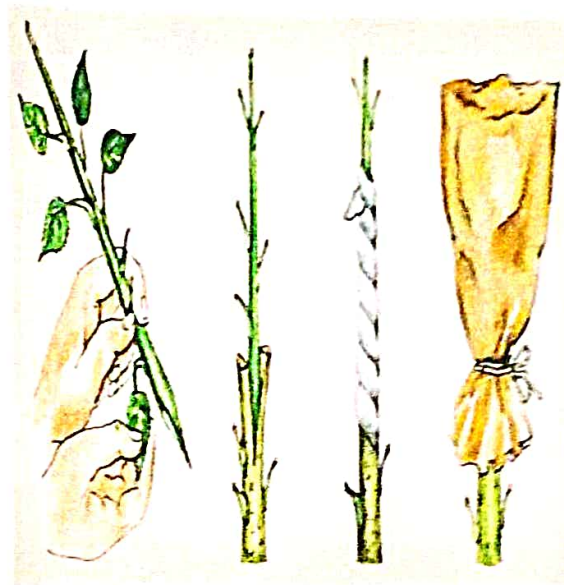


Scion

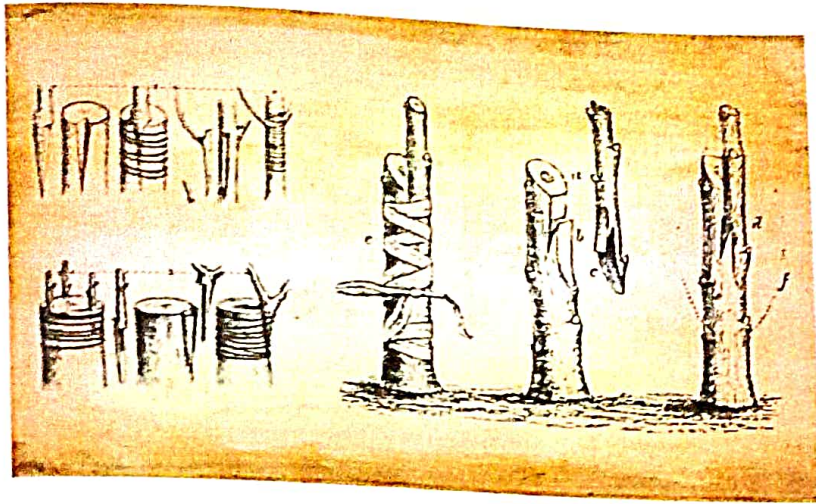


Rootstock

Cleft grafting

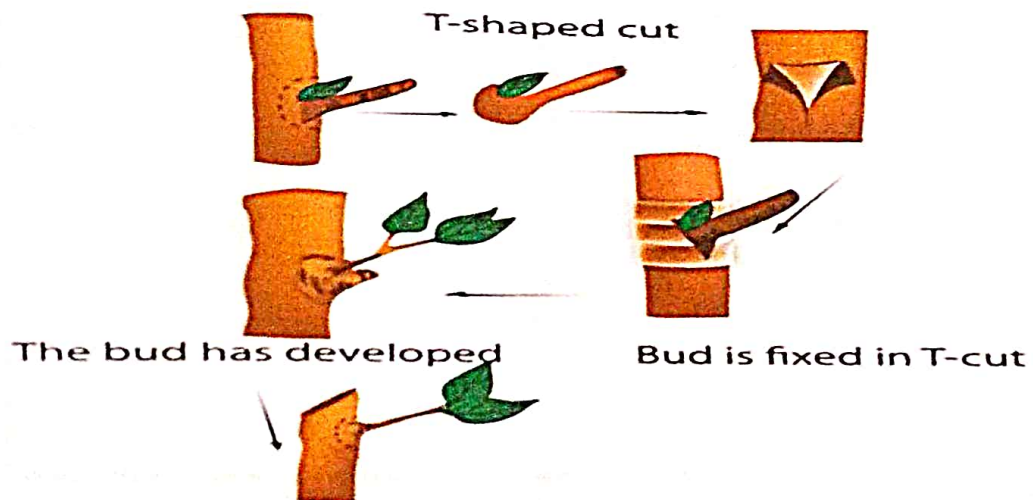


BARK GRAFTING

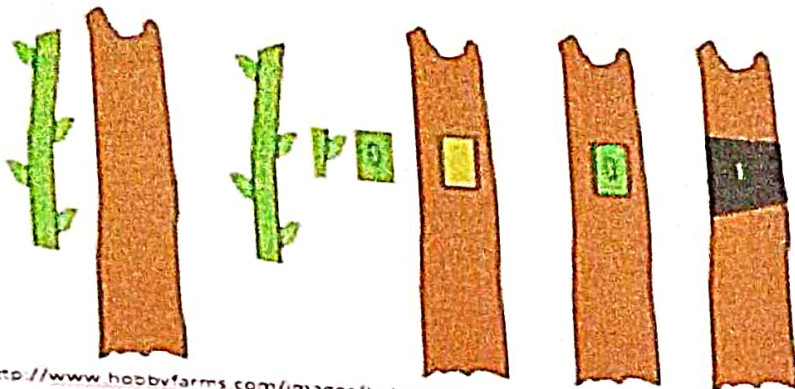


Bud Grafting

T-Budding



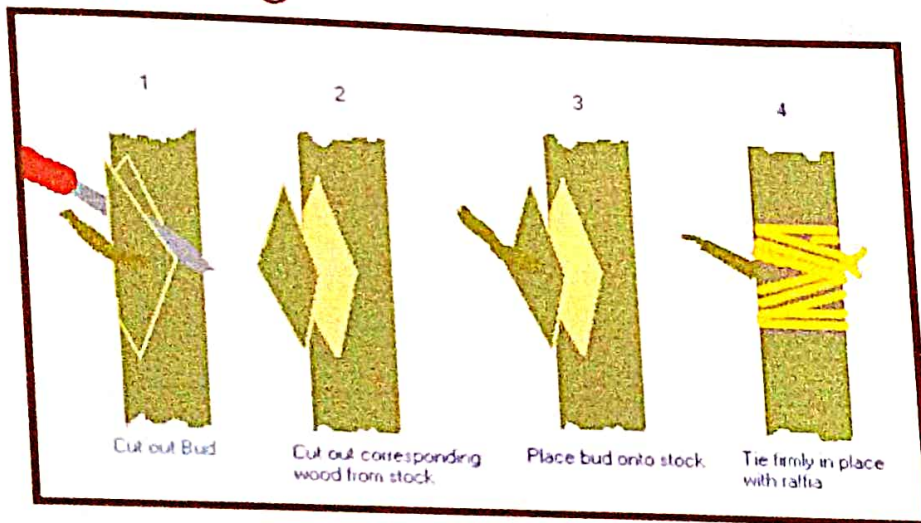
Patch budding



http://www.hobbyfarms.com/images/hobby%20farms%20crops/graft-Patch-Bud_200.jpg

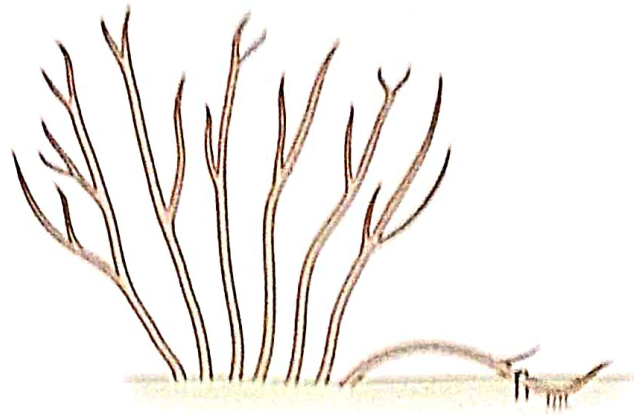
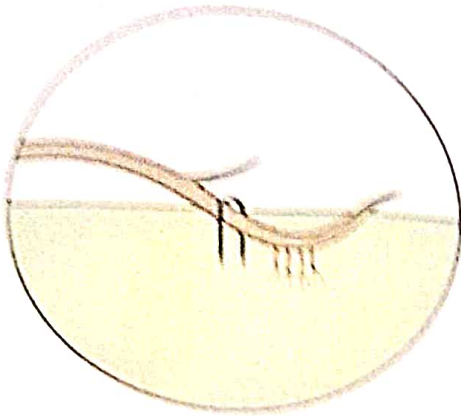
A basic conceptual image of patch budding

Chip grafting

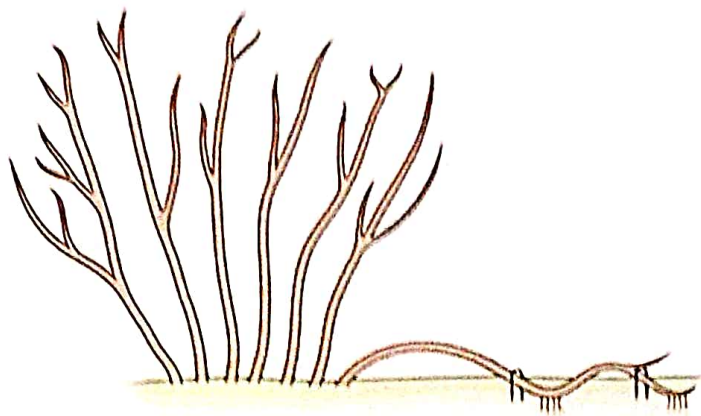
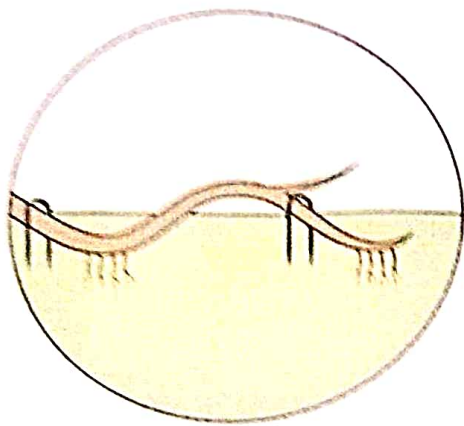


Layering

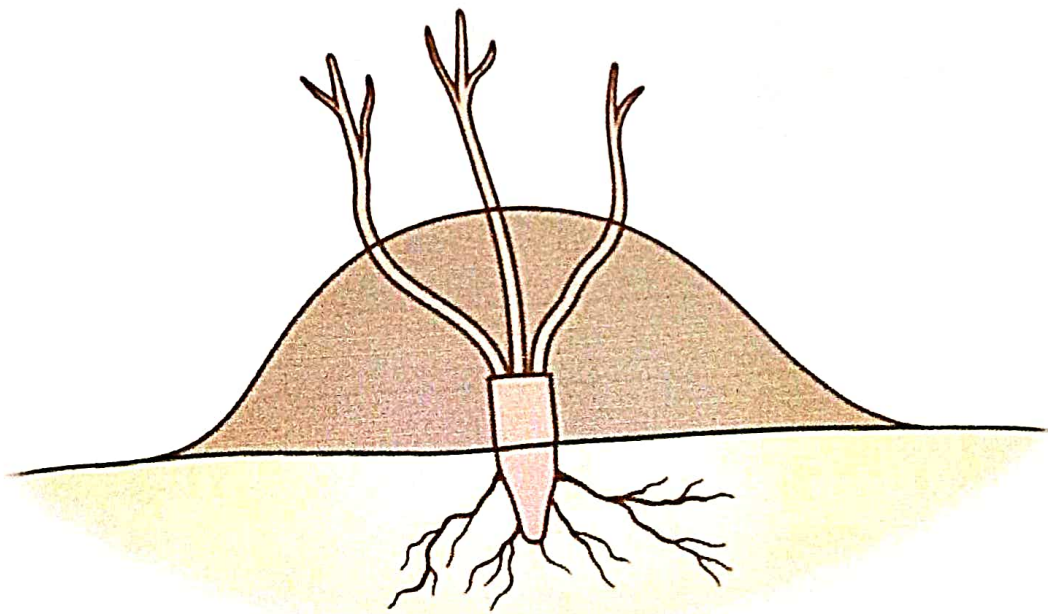
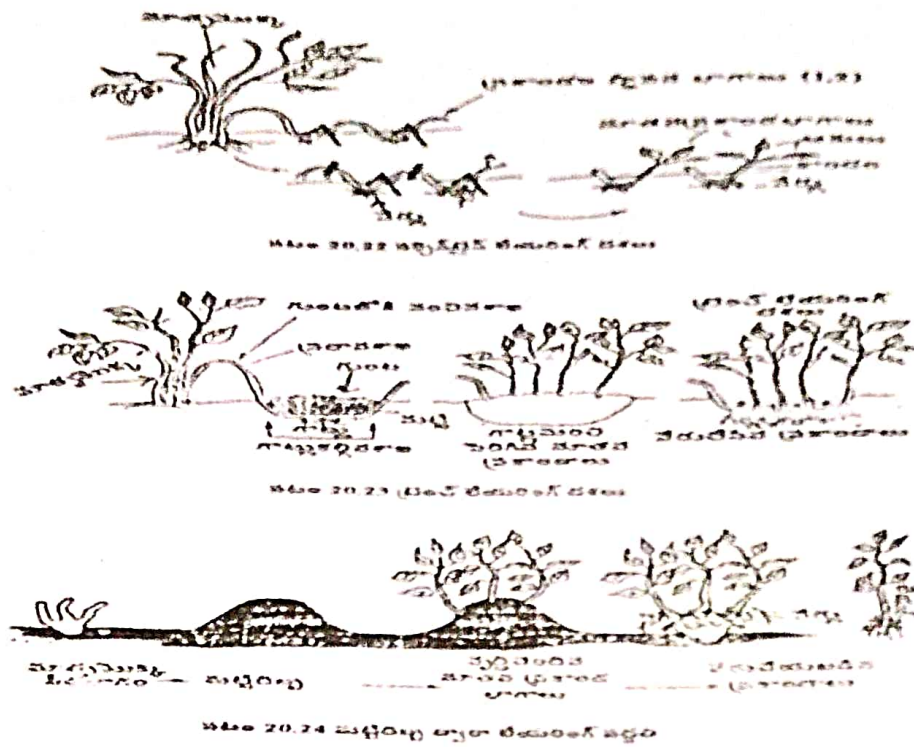
అంటు తొక్కుట



Simple Layering



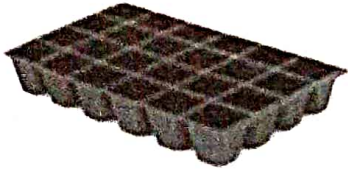
Serpentine Layering



Mound Layering

మొక్కల నర్సరీలలో
ఉపయోగించే కంట్రీనర్లు

- మట్టి కుండీలు
- సిమెంట్ కుండీలు
- ప్లాస్టిక్ కుండీలు
- ఫైబర్ కుండీలు
- పిరపిన్ పిపర్ లేదా సెలోఫన్ కప్పులు
- విత్తన ట్రేలు
- నీటి క్యాన్స్
- డ్రమ్స్
- ఎరువుల సంచులు
- పాలిథీన్ బాగ్స్



Seed tray



Plastic pot



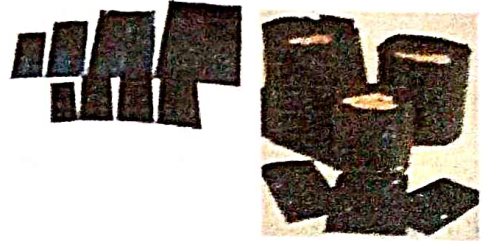
Fiber pot
Polythene bags



Paraffin cups



Manure bags

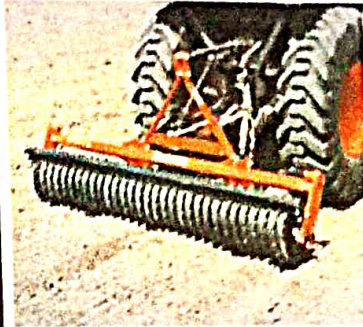


నర్సరీలో ఉపయోగించే పరికరాలు

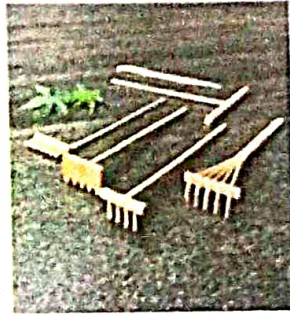
- ట్రాక్టర్
- సీడ్ డ్రిల్
- టిడ్ రోలరు మరియు లేవలర్
- గార్డెన్ రాక్
- హ్యాండ్ లేవలర్
- వాగలి
- పాఠ
- గార్డెన్ విర్క్
- Hand cultivator
- కత్తెర, కత్తి, కోడవలి
- టుండీలు
- స్ప్రెయింగులు
- రోజ్ క్యాన్ మరియు నీటి సైపు



Seed drill



Seed bed roller



Garden rake



Hand leveller



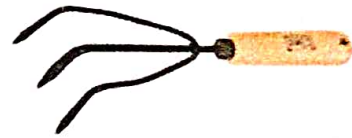
Plough



Garden fork



Pruning Scissors



Hand cultivator



Garden knife



Sickle



Rose can



Water pipe



Spray can



Pots

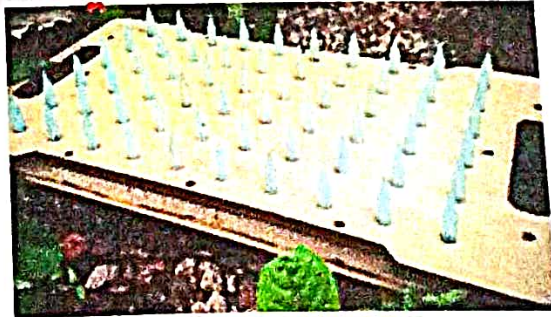
విత్తనాలను నాటే పద్ధతులు

• బ్రాడ్ కాస్టింగ్



Broadcasting of rice seeds

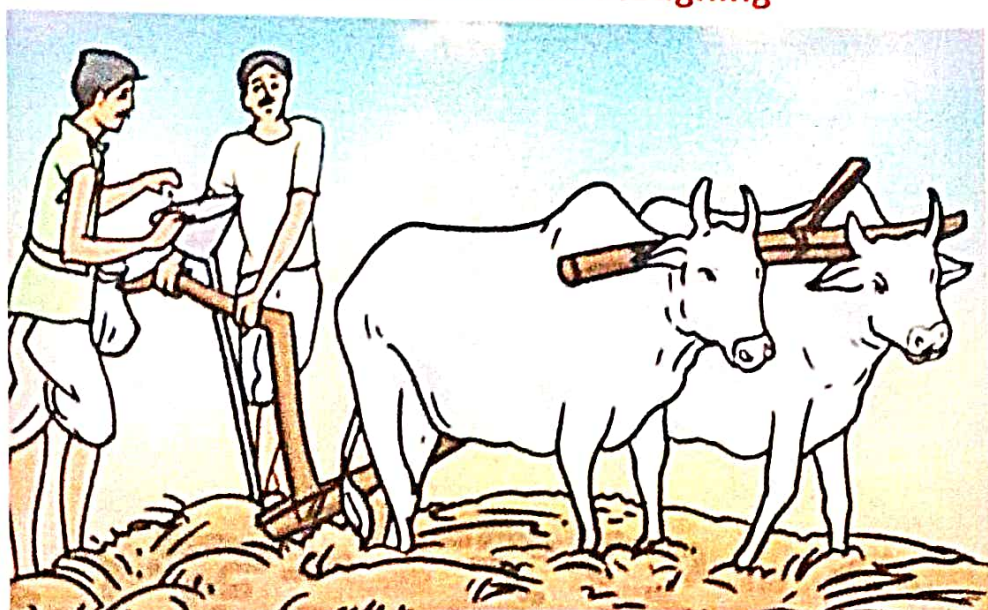
డిబ్బింగ్



Drilling



Traditional seed Ploughing





Transplanting



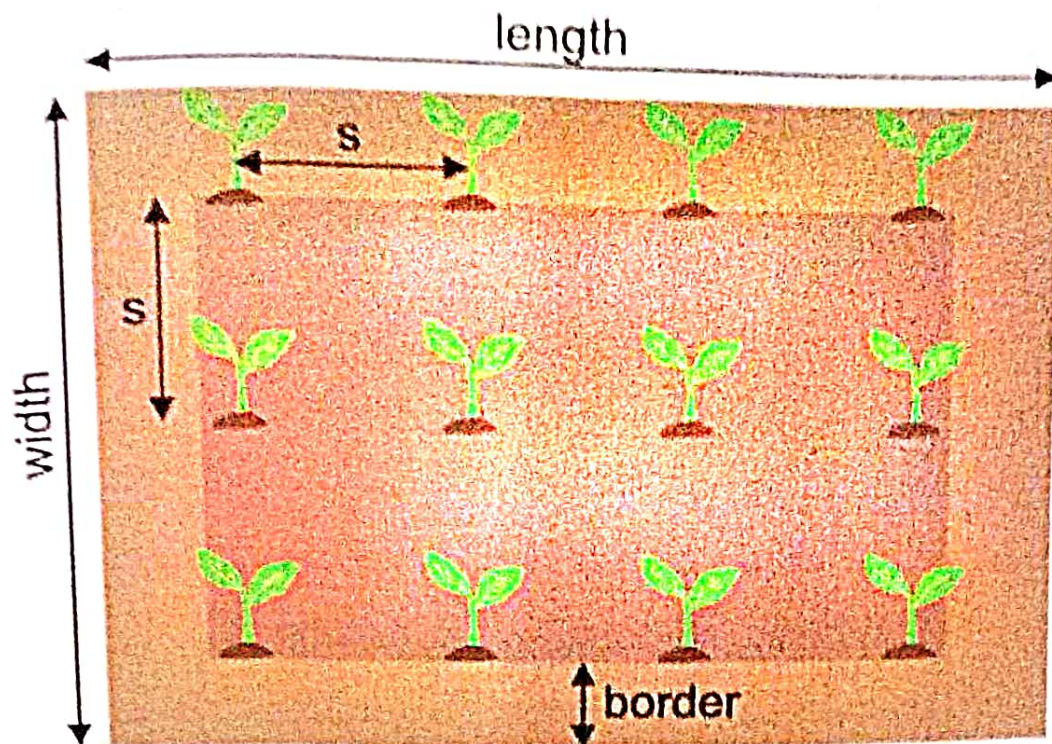
Transplanter



Check row planter



check row plantation



Transplanter



నర్సరీ బెడ్డుపై విత్తనాలను చల్లుట

- పంక్తులలో విత్తనాలు చల్లుట
- ట్రేలలో విత్తనాలను నాటుట
- ఫారి బ్యాగ్ లో / కుండీలలో విత్తుట



ట్రేలలో నాటుట



పంక్తులలో నాటుట



ఫారి బ్యాగ్ లో నాటుట

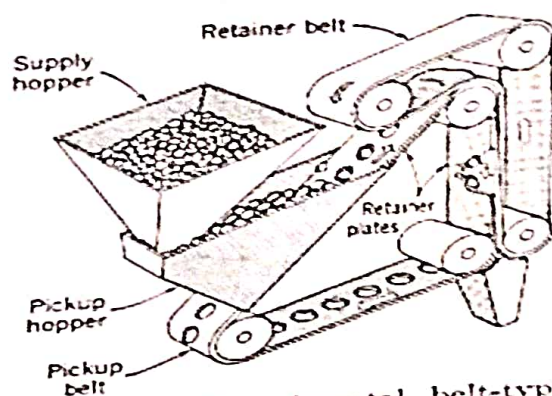


Fig. 11.6. Experimental belt-type planter developed for high-speed drilling of seeds such as peanuts. (J. G. Futral and R. L. Allen. *Agr. Eng.*, April, 1951.)

నర్సరీ నిర్వహణ

• మంచి స్థలం

• ఫ్లాటింగ్

• నీటి పారుదల మరియు ఎరువులు

• మొక్కల సంరక్షణ చర్యలు

• విత్తన చికిత్సలు :

1. వేడి నీటి చికిత్స

2. క్రిమి సంహారకం

3. నేల చికిత్స

4. రసాయన చికిత్స

5. కలుపు మొక్కల నివారణ

6. వేడి మరియు చలి తీవ్రత నుండి రక్షణ

7. నర్సరీ మొక్కల ప్యాకింగ్

8. అమ్మకం

9. మొక్కల నిర్వహణ

ఉద్యానవనాలలో నిరంతరం నిర్వహించే ప్రక్రియలు

a) మృతిక - సూక్ష్మజీవరహిత

b) విత్తనాలు - విత్తుట

c) ప్లాంటింగ్ మరియు ట్రాన్స్ ప్లాంటింగ్

1. కుండీలలో ఉన్న మొక్కలను క్షేత్రంలోకి మార్పిడి చేయుట

2. కుండీలో పెరుగుతున్న మొక్కను మరొక కుండీలోకి మార్పుట

3. మొక్కను క్షేత్రంలో పాతుట

4. పెద్ద వృక్షాలు మరియు పొదలను మార్పిడి చేయుట

5. షేడింగ్

6. స్టాంపింగ్ లేదా పింఛింగ్

7. డీవోలియేషన్

8. స్టాకింగ్

9. మల్చింగ్

మల్చింగ్

- నేలను పాల్తీన్ షీట్ లేదా వ్యర్థాలతో కప్పి వాతావరణ పరిస్థితులు మొక్క పెరుగుదల కు అనుకూలంగా చేయడం మరియు నేలలోని తేమను కాపాడటం ప్రక్రియను మల్చింగ్ అంటారు.

మల్చింగ్ పదార్థాలు రకాలు :

1. సేంద్రియ రకాలు : పశువుల ఎరువు, కంపోస్ట్, తొక్కలు, కండే ముక్కలు, స్పగ్నం, షీట్ మాస్, ఎండు గడ్డి, రంపపు పోడి, పంట అవశేషాలు , కలప ముక్కలు.
2. అసేంద్రియ రకాలు : బ్లాక్ పాల్తీన్ షీట్, రబ్బర్ టైర్లు, చిప్స్, గులక రాళ్ళూ.

అలంకరణ

మొక్కలు

గుల్మయుత అలంకరణ మొక్కలు

• జీవిత చక్రం ఆధారంగా రకాలు

1. ఏక వార్షిక అలంకరణ రకాలు : బంతి , జినియ జాతులు

2. ద్వి వార్షిక అలంకరణ రకాలు : హాలిహాక్ , డిజిటాలిస్.

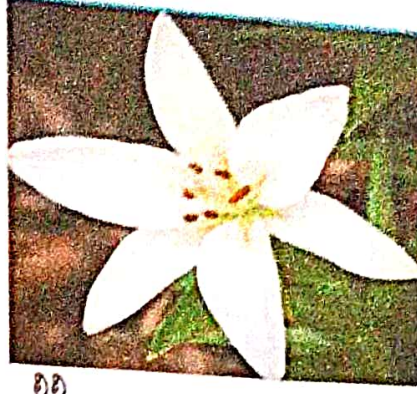
3. బహు వార్షిక అలంకరణ రకాలు

- పుష్పించేవి : లిల్లి , తులిప్ , జిరానియం ,

- పుష్పించనివి : సాన్స్ విరియ , కొలియస్ .



మంటి



లిల్లి



జింజీ



హర్ హర్



డిజిటలిస్



తులిప్



పెరాసియం



సాన్స్ వీరయ్య



కోలియస్

పరిమిత చిరకాల ఆధారంగా రకాలు : Indoor or Out door

అంతర్గత మొక్కలు

వీటిని మొదలలో పెంచుతారు

జీనియం, టుజిటస్



హార్టింగ్ మొక్కలు

వైలాడి కుండలలో పెంచుతారు

జిరానియం

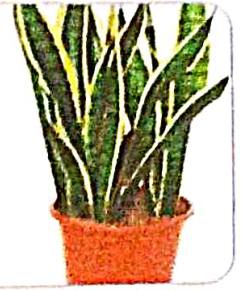
క్లీరీస్టం



గృహ మొక్కలు

అండీర్ రకాలు
పుష్పించే లేదా ఫోలిఎజ్ రకాలు

సెన్స్ విరయ



ధృఢమైన కాండంగల అలంకరణ మొక్కలు

పొదలు

అకు రాలే పొదలు
టెర్పెరిన్, లోనిసిగ
జపానిక

సతత పారితి
మొక్కలు
సైనిస్



వృక్షాలు

అకు రాలే వృక్షాలు
టెట్యుల

సతత పారితి
వృక్షాలు
పిసియ



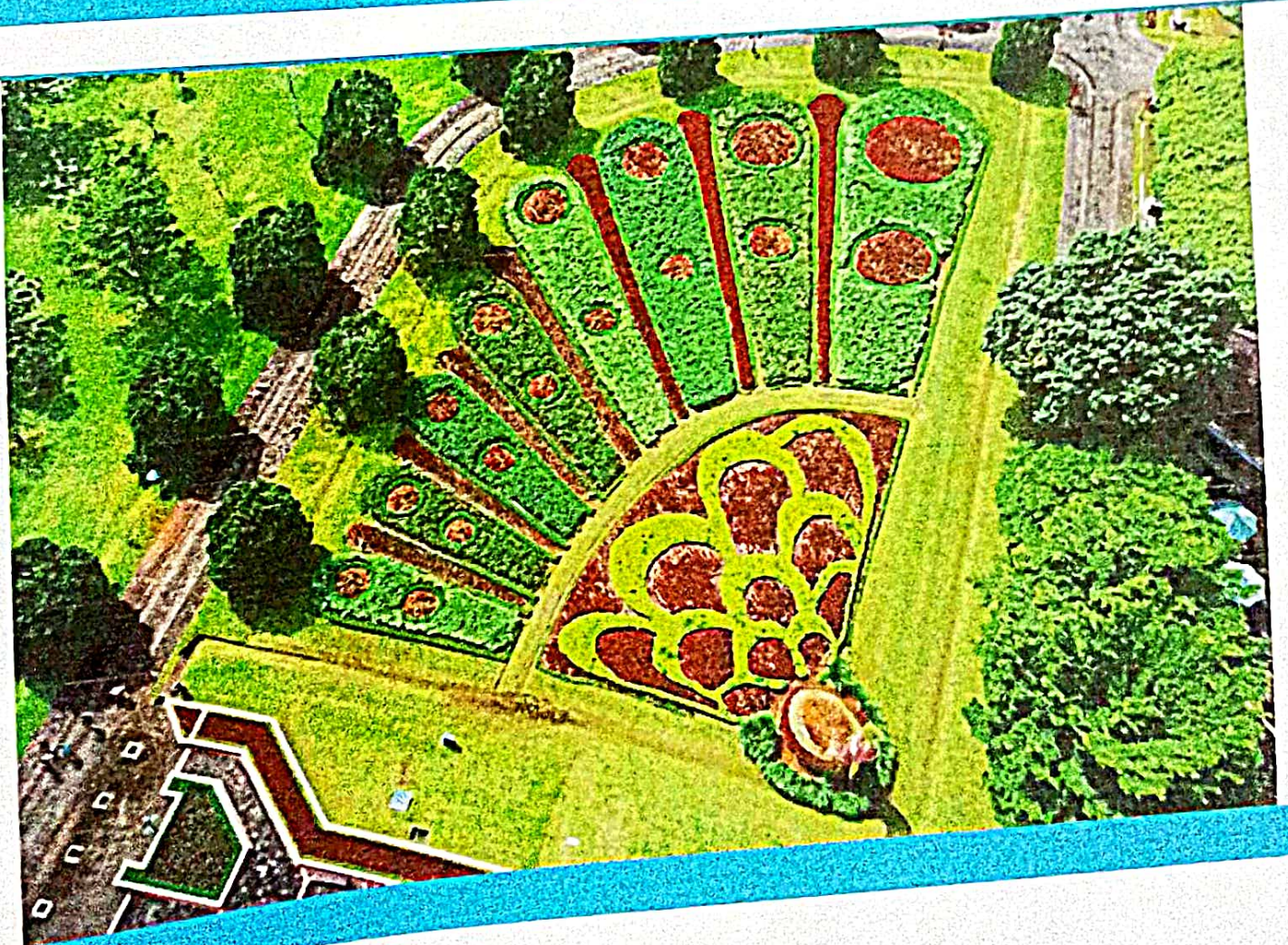
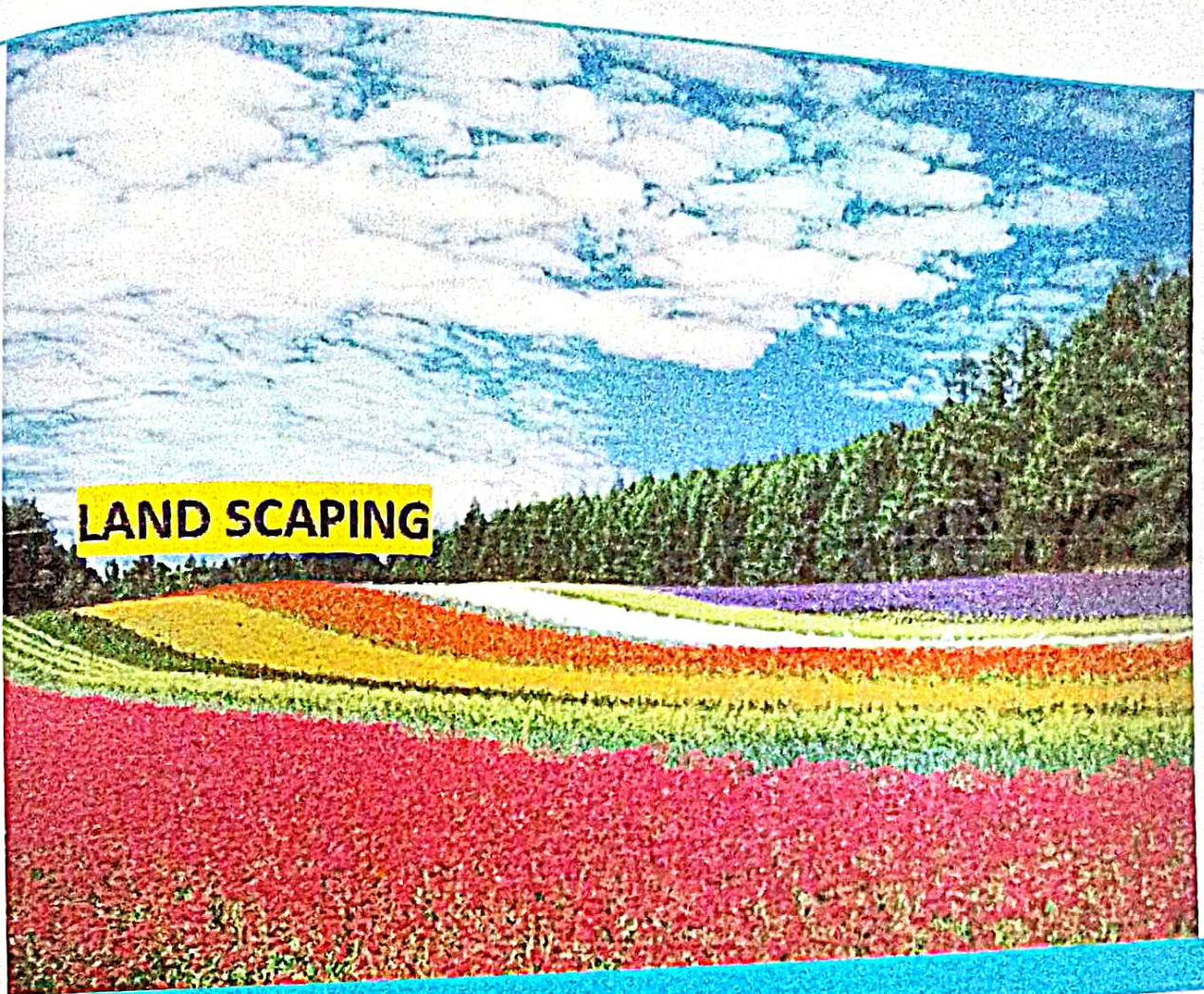
తీగ రకాలు

అకు రాలే రకాలు
క్లైమటిస్

హిడిర హెలిక్స్

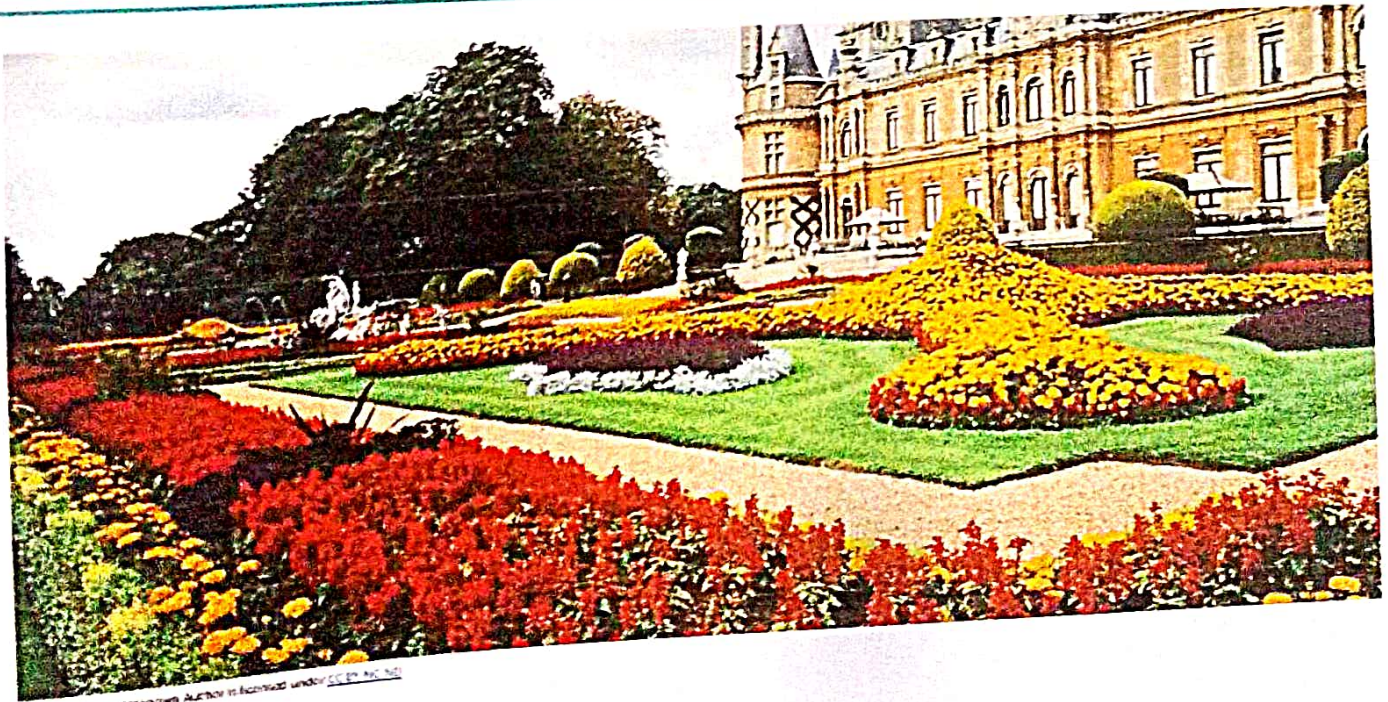


LAND SCAPING





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Bedding Plants



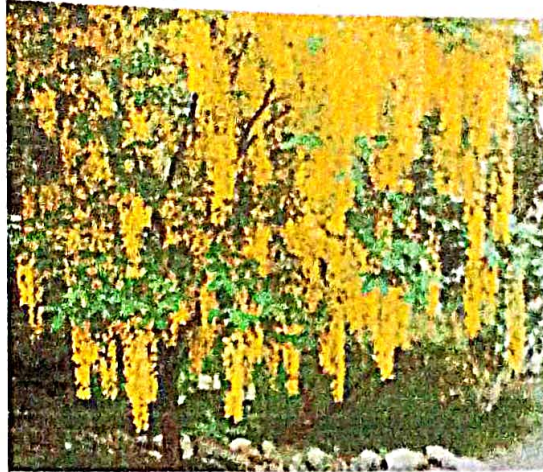
Hanging Plants



House Plants



Bushy Plants



Evergreen ornamental trees



ଶିଶୁ ଚଢ଼ା





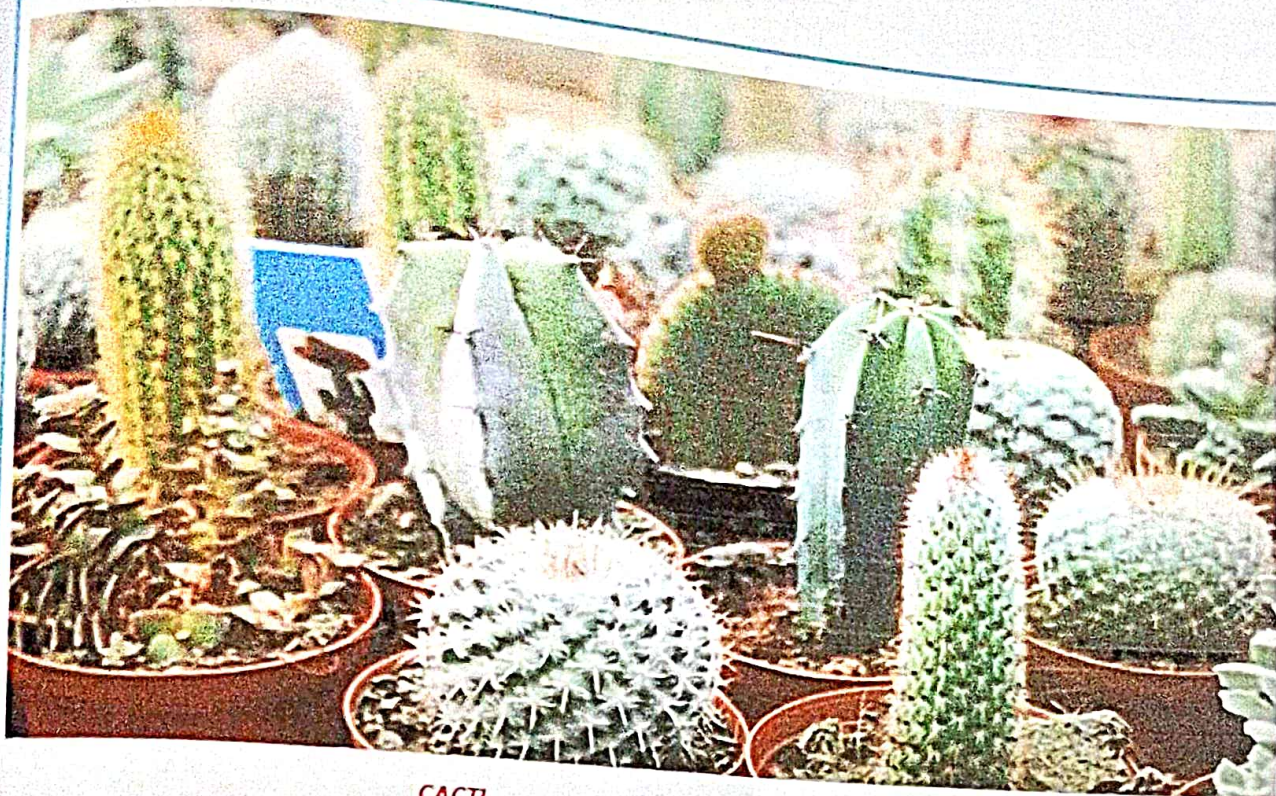
நீலிங்கம் அலங்கார மூல்கள்



PALM



CYCAS



CACTI



BOTTLE BRUSH

GLADIOLUS



Types of Plant

Nurseries

Green House



Poly House



Mulching



PSC & KVSC GOVT COLLEGE::NANDYAL

COMMUNITY SERVICE PROJECT



Name of the Student : *P. Kanyalakshy Nail@.*

Semester & Group : *IInd BZC E/M*

H.T.Number : *22358023022*

Project Name : **COMMUNITY SERVICE PROJAECT**

Academic Year: 2022 - 2023

PSC & KVSC GOVT. COLLEGE

(Affiliated to Rayalaseema University)

Department of BOTANY

Certificate

This is to certify that this is a bonafide record of community project work

Done by Mr./Ms. P. Kamalakshy Naik with

Register No. 22358023022 in the partial fulfillment of the

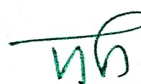
Requirements for the award of the community service project work for

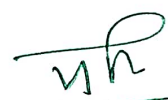
Semester under Rayalaseema University at PSC & KVSC Govt College, Nandyal

During the academic year 2021-2022 carried out by him / her.

Number of programs done: 02

Number of houses visited: 25


Lecturer in
BOTANY


Head of the Department
Lecturer in Botany
PSC & KVSC Govt. College
NANDYAL, Kurnool (Dt), A.P.

ACKNOWLEDGEMENT

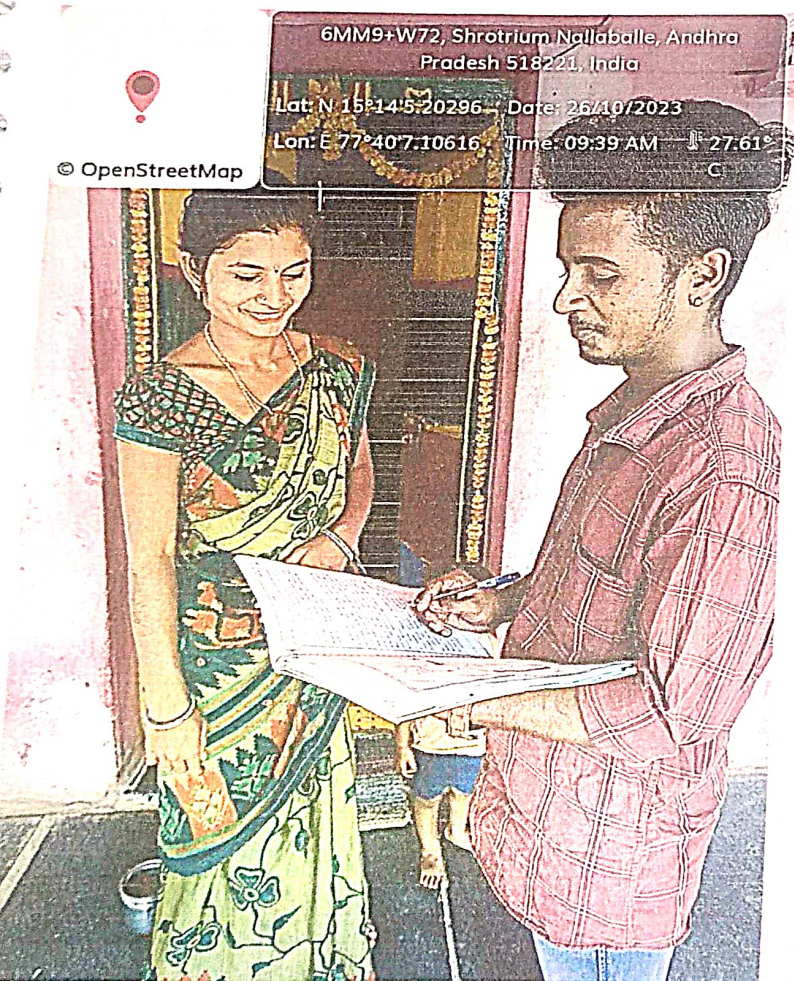
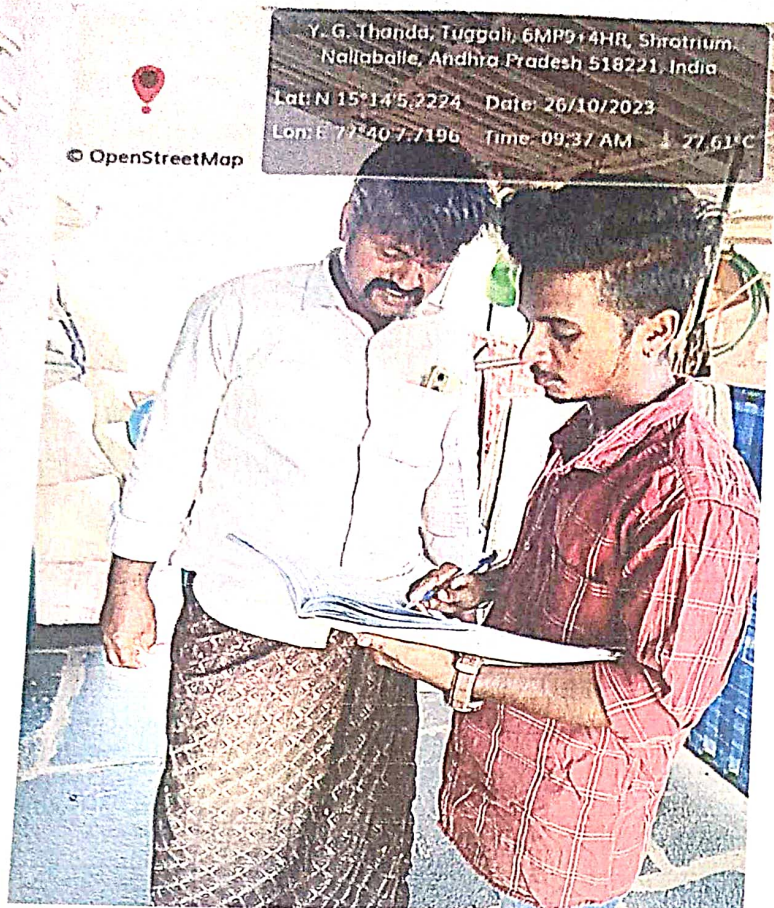
I would like to acknowledge Mrs. _____ for her vital cooperation and help in ensuring the successful completion of my project work .

I would like to express my special thanks to our mentor Mrs. V. J. Sailaja Rani Madan for her time and efforts. Your useful advice and suggestions were really helpful to me during the project's completion , I am eternally grateful to you .

I would like to acknowledge that this project was completed by me and not by someone else.

CONTENTS

Serial Number	Name & Concept of the Program	Page Number	Initials of Lecturer
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②	Socio economic		<u>YS</u>
③	Log book & report on		<u>YS</u>
④	Plant diseases		<u>YS</u>
⑤	Survey questionnaire		
⑥	Consolidation		<u>YS</u>
⑦	Log book.		



PSC & KVSC. Govt. Degree College, Nandyala

COMMUNITY SERVICE PROJECT

Socio-Economic Survey

Name of the Student : P. Damala Dal Nait
Group : B2C
Registration Number : 20358023122

House No.	<u>6-31</u>	Habitat	<u>y. 67 Thanda</u>	Panchayat	<u>Kadama Kuntha</u>
Post office	<u>Kadama Kuntha</u>	Mandal	<u>Tuggali</u>	District	<u>Kurnool</u>

1. Family Details:

S.no	Name of the person	Gender	Age	Education	Profession
1.	<u>L. Karunakaj</u>	<u>M</u>	<u>50</u>	<u>Ink</u>	<u>lab technician</u>
2.	<u>S. Kalavathi</u>	<u>F</u>	<u>45</u>	<u>10th</u>	<u>House Wife</u>
3.	<u>L. Karja</u>	<u>F</u>	<u>22</u>	<u>B. pharmacy</u>	<u>Student</u>
4.	<u>S. Kiran</u>	<u>M</u>	<u>20</u>	<u>B. tech</u>	<u>Student</u>

2. Social Status details:

(i) Caste: SC/ ST/ BA-A-B-C-D/ OC (ii) Sub-Caste: Reddy (iii) Religion: Hindu

3. Economic Status details:

(i) Type of House Building: Hut/ Semi Pucca/ Pucca/ Apartment/ Bunglow

(ii) Nature of House building: Own/ Rented

(iii) Drinking Water facility: Well/ Bore-well/ Govt. Tap connection/ Commontap

(iv) Availability of Agricultural land: Yes/ No

(v) Extent of Agricultural land: 03 Acres

(vi) Names of crops: Paddy/ Sugar cane/ Ground nuts/ Vegetables/ Any other

(vii) Cattle: Cows Ox Buffaloes Sheep/ Goats

(viii) Do you have own toilet: Yes/ No

(ix) Type Cooking fuel used: LPG / Kerosene/ Electricity/ Wood/ others specify

(x) Is any family part of DWACRA group: Yes/ No

(xi) Do you have Ration Card: Yes/ No

(xii) Do you have vehicle: Two wheeler/ Auto/ Car/ Any other vehicle?

4. Health Details:

(i) Diseases in family:

(ii) Treatment in which Hospital:

(iii) Any PH Persons in family: Yes/ No

S.no.	Name of the person	Gender	Age	Nature of Disability

(iv) Do you have Govt. Arogya sri Card: Yes/ No

5. Other Details:

(i) Do You have TV: Yes/ No

(ii) Do You have Dish Connection: Yes/ No

(iii) Channels Watched regularly: 1. Discovery

2. News 3. _____

Mobile Number: _____

(iv) Do you have Mobile: Yes/ No

(v) Do you have Laptop: Yes/ No

(vi) Is internet available at home: Yes/ No

6. Name of the Govt. Schemes received:

Jagananna Vidhya Devena Yes/ No

Jagananna Vasathi Devena Yes/ No

Raithu Bharosa Yes/ No

Any other scheme: _____

Any other scheme: _____

7. Any three problems faced in the village:

(i) Leakage of water

(ii) No street light.

(iii)

Place:

Date:


Signature of the Mentor


Signature of the Student

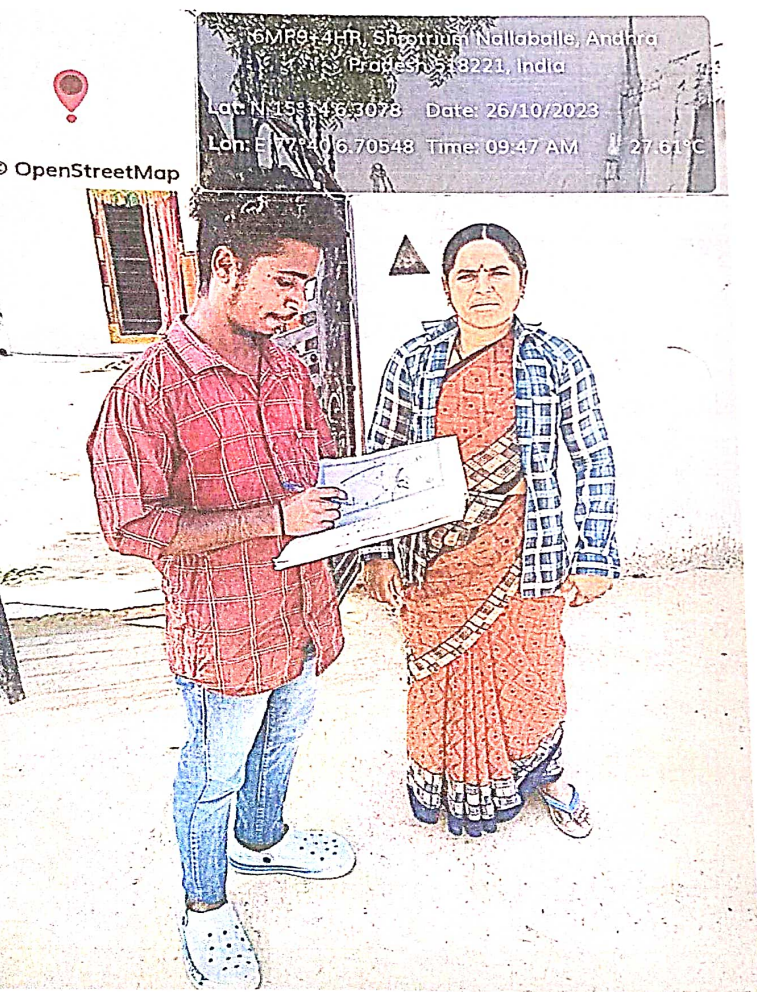
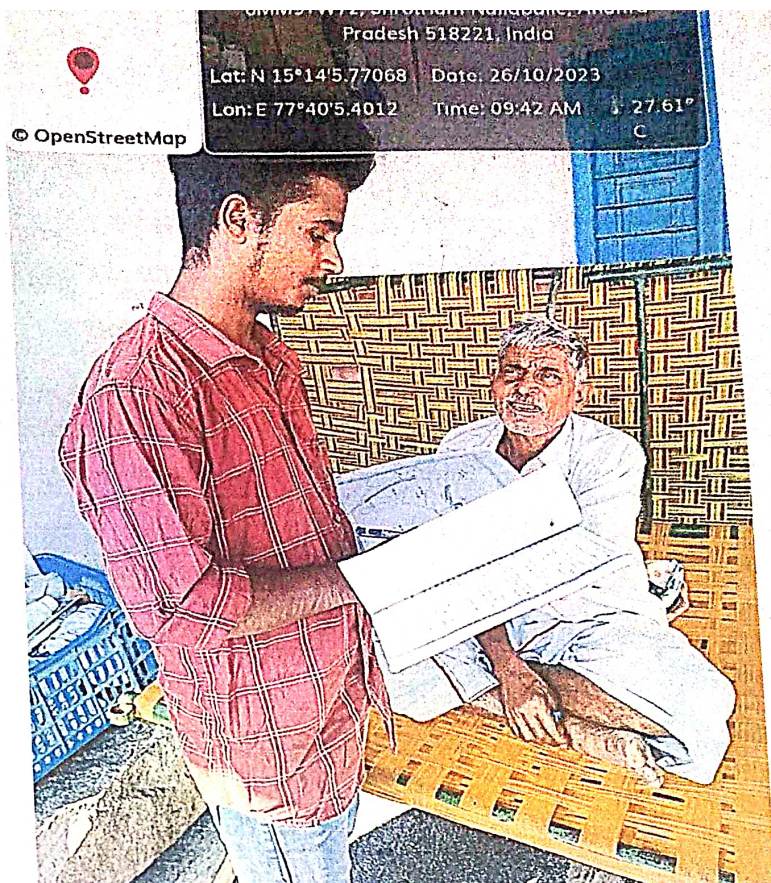
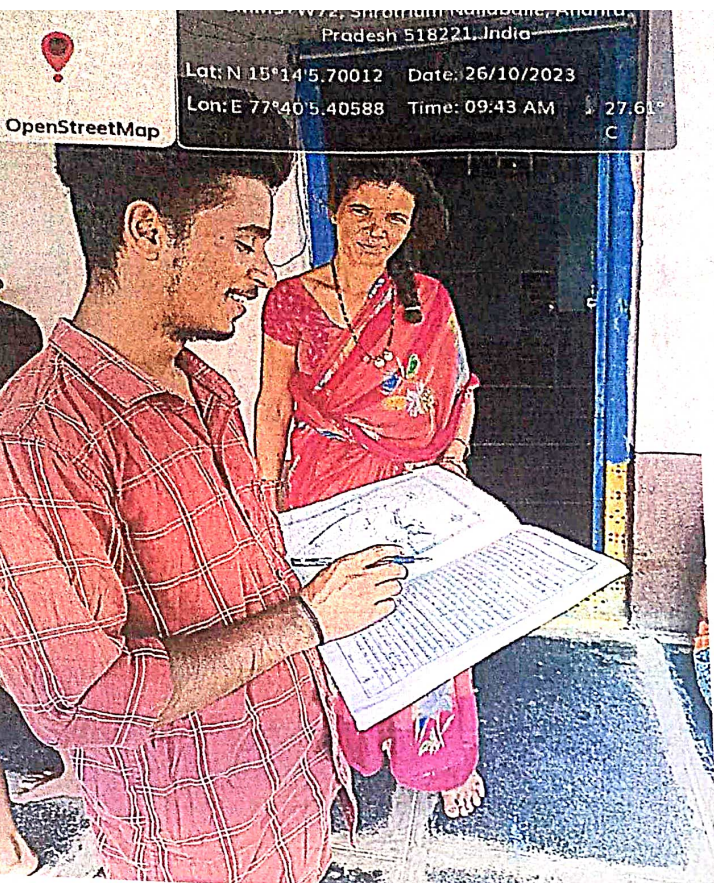
PSC & KVSC Govt. Degree College, Nandyala
COMMUNITY SERVICE PROJECT

LOG BOOK

Name of the Student : P. Kamaldeep Naik
Group : B2C IInd E/W
Registration Number : 22358023022

Date & Day	Activity done	Signature of the student
	Collection of information in AC-colony houses with their family social, health details including the government schemes which they are received.	P. Kamaldeep Naik
	Collection of information of some houses in AC-colony visiting the details are family health social and government schemes	P. Kamaldeep Naik
	Collection information about AC-colony about their family details, social health details	P. Kamaldeep Naik


Signature of the Mentor



PSC & KVSC GOVERNMENT DEGREE COLLEGE, NANDYAL
COMMUNITY SERVICE PROJECT

TITLE OF THE PROJECT: Plant Diseases & Organic farming

Name of the Student: P. Kamala Kallavath

Register No: 2235802302

Class / Year: 1st B2C

Semester:

Farmer's Details:

Name of the Farmer: Ashok Naidu **Age:** 55 Years

Education: 05th

Cultivated Land: 07 Acres

Survey Questionnaire

1. What type of Crops are grown in your cultivated land

a). Maize

b).

c).

d)

2. What are the Common Diseases in Plants?

a). Black Spots . Other Leaf Spots.

c). Blight, Canker

~~b). Powdery Mildew, Downy Mildew.~~

d). Others _____

3. How do diseases spread in Plants

~~a) spread by wind~~

c) Spores.

b) water droplets

d) Others _____

4. What are three main causes of plant disease

~~a) a susceptible host plant.~~

c). a favorable environment.

b). a pathogen

d). Others _____

5. What are the signs of plant diseases

a) a detectable change in color

~~c). a detectable change in shape~~

b). a detectable change in function

d). Others _____

6. What are the factors that causes plant diseases

a) temperature,

c) , soil moisture/ pH/soil type/ soil fertility.

b) relative humidity

d) Others _____

7. Have you ever tested your cultivated land soil moisture/ soil PH/soil type/ soil fertility

a) Yes

~~b) No~~

If yes, could you briefly specify _____

8. How do you control pests and diseases?

a) Biological & organic control methods (non-chemical control methods)

b) Integrated pest management (IPM) methods

~~c) Chemical pesticides (treatment),~~

d) Other methods (specify) _____

9. How do you control weeds?

a) By burning plant residues after harvesting. (or) By grazing through animals.

b) By crop rotation and/or intercropping

~~c) By chemical herbicides,~~

d) Other methods (specify) _____

10. What is the dominant fertilizers used in your cultivated land

a) Inorganic,

~~b) Organic~~

c) Other _____

11. Have you ever heard about 'Bio Fertilizers'?

a) Yes

~~b) No~~

If yes, could you briefly specify _____

12. Have you experienced any of the following after pesticide applications?

a) Skin itching, Skin burning , Heavy sweating

~~b) Coughing, Breathing difficulties,~~

c) Death of domestic animal, Human death/self-poisoning

d) Other (specify) _____

13. Have you ever heard about 'organic farming'?

a) Yes

~~b) No~~

If yes, could you briefly specify what does 'organic farming' mean for you?

14. How can we improve organic farming?

a) Start with a plan. ...

b) Consult other organic farmers. ...

c) Know the correct time to plant.

d) Others no

15. Can organic farming replace modern agriculture?

a) Yes

~~b) No~~

If yes, could you briefly specify _____

Student Observation:

Have you observed any plant Disease in that cultivated land (crop)

~~a) Yes~~

b) No

If yes, could you briefly specify

1.

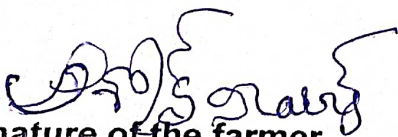
2.

3.

4.

5.

they dont test the land.


Signature of the farmer


Signature of the Student


Signature of the M

Report on

Collecting the information about Plant diseases has been completed by me. I collected the details of a farmers living in my locality. I collected their names, ages, education and cultivated land in acres.

I collected the information through our question that are as follows.

- ①. What type of crops are grown in your cultivated land.
- ②. What are the common diseases in Plants.
- ③. How do disease spread in Plants.
- ④. What are the 3 main causes of Plant disease.
- ⑤. What are the signs of Plant disease.
- ⑥. What are the factors that causes Plant diseases.
- ⑦. have you ever tested in your cultivated land soil moisture / soil pH / soil type / soil fertility.
- ⑧. How do you control Pest and disease.
- ⑨. How do you control weeds.
- ⑩. have you ever heard about bio-fertilizers.
- ⑪. What is the dominant fertilizer used by in your cultivated land.
- ⑫. have you ever heard about organic farming.
- ⑬. How can we improve in organic farming.

P.S.C & R.V.S.C Government Degree,
College, Nandyal.

Community Service Project

Name of the Student : P. Kamala Das Naik
Group : 1st B.ZC ELM
Registration number : 22358023022

Date & Day	Activity Done	Signature of the Student
	<u>Plant diseases & organic farming</u> <u>Plant diseases & organic farming</u> <u>Plant diseases & organic farming</u> <u>Plant diseases & organic farming</u>	P. Kamala <u>Das</u> <u>Naik</u>
	Consolidation.	P. Kamala <u>Das</u> <u>Naik</u>
	Report on Plant diseases veg and organic farming	P. Kamala <u>Das</u> <u>Naik</u>

WS
Signature of the mentor.

Name of the Institute.

Name of the Institute.

Left No.on Roll at end of month

Place

Jayalakshmi

Certificate Course on Grafting Techniques & Nursery Management

REGISTER OF ATTENDANCE & FEES

Name of the Institute

Sl.No.	Admission No.	NAMES	27/5/18	28/5/18	3	30/5/18	31/5/18	1/6/18	2/6/18	3/6/18	4/6/18	5/6/18	6/6/18	7/6/18	8/6/18	9/6/18	10/6/18	11/6/18	12/6/18
1	1	A. Varalekshmi	P	P		/	/	P	P	/	/	/	/	/	/	/	/	/	/
2		B. Lakshmi Devi	P	P		/	/	/	P	P	/	/	/	/	/	/	/	/	/
3		B. Veeravathi	P	P		a	/	/	P	a	/	/	/	/	/	/	/	/	/
4		D. Baby	P	P		/	a	/	P	P	/	/	/	/	/	/	/	/	/
5		D. Premkumar	P	P		a	/	/	P	P	/	/	/	/	/	/	/	/	/
6		G. Sudheer	P	P		a	/	/	P	P	a	a	/	/	/	/	/	/	/
7		K. prakash	P	a		/	/	/	P	a	/	/	/	/	/	/	/	/	/
8		K. Shekhanna	P	a		/	/	/	P	P	/	a	/	/	/	/	/	/	/
9		K. Vani	P	P		/	/	/	P	P	a	/	/	/	/	/	/	/	/
10		K. Sravani	P	P		/	/	/	P	P	a	/	/	/	/	/	/	/	/
11		M. Moumika	P	P		/	/	/	P	P	a	/	/	/	/	/	/	/	/
12		M. Sudhakar Raju	P	a		a	/	a	P	P	/	/	/	/	/	/	/	/	/
13		M. peddakka	P	P		/	/	/	P	P	/	/	/	/	/	/	/	/	/
14		M. Pani prameela	P	P		/	/	/	P	P	/	/	/	/	/	/	/	/	/
15		M. Divya	P	P		/	/	/	P	a	/	a	/	/	/	/	/	/	/
16		M. Satya	P	P		/	a	/	P	P	/	/	/	/	/	/	/	/	/
17		M. Nirmala	P	P		/	/	/	P	P	/	/	/	/	/	/	/	/	/
18		N. Madhavi	P	P		/	/	/	P	P	/	/	/	/	/	/	/	/	/
19		N. yelleswarai	P	a		/	/	a	P	P	/	/	/	/	/	/	/	/	/
20		P. kavitha	P	P		a	/	/	a	P	/	/	/	/	/	/	/	/	/
21		R. Anjali Bai	P	P		/	/	/	P	P	/	/	/	/	/	/	/	/	/
22		S. Subbarajudai	P	P		/	a	/	P	P	/	/	/	/	/	/	/	/	/
23		S. Marudali	P	P		/	/	/	a	P	/	/	/	/	/	/	/	/	/
24		Shaik. Hussain Bhasba	P	P		/	/	/	P	P	/	/	/	/	/	/	/	/	/
25		T. padmavathi	P	P		/	/	/	P	P	/	/	/	/	/	/	/	/	/
26		V. Nagendran Reddy	P	P		/	/	/	P	a	/	/	/	/	/	/	/	/	/
27		X. Madhavi	P	P		/	/	/	P	P	a	/	/	/	/	/	/	/	/
28		B. Mamatha	P	P		/	a	/	P	P	a	/	/	/	/	/	/	/	/
29		Shaik. Saddam Hussain	P	P		/	/	/	P	P	/	/	/	/	/	/	/	/	/
Number present M Daily E			25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
Initials M E																			

FOR THE MONTH OF

27.8.18 to 19.12.18

2018

Section

Place

[illegible]

No.of working days

Average Attendance during the month

1. June 2014
No. on roll during the month
PSC & KVSC Government College, Jayalakshim
NANDYAL, Nandyal (Dt.), A.P.

Name of the Institute

No.on roll at the beginning of month

Admitted during the month

Left No.on Roll at end of month

2020-2021

Academic year- 2020-2021.

REGISTER OF ATTENDANCE & FEES

Name of the Institute.....

Sl.NO.	Admission No.	NAMES	1.12.20	2.12.20	4.12.20	5.12.20	7.12.20	8.12.20	9.12.20	10.12.20	11.12.20	14.12.20	15.12.20	16.12.20
	1.	A. sulatha	/	a	/	/	/	/	p	/	/	/	a	/
	2.	B. kasturi	a	/	/	/	/	/	p	/	/	/	/	/
	3.	B. Ramasubbaiah	/	/	/	a	/	/	p	/	a	/	/	/
	4.	B. Ramesh	/	/	/	/	a	/	p	/	/	a	/	/
	5.	C. Dharani	/	/	a	/	/	/	p	/	/	/	a	/
	6.	D. Pakkiraiah	/	/	a	/	/	/	p	/	/	/	/	/
	7.	D. Pavan	/	/	/	/	/	/	a	/	/	/	/	/
	8.	D. Naga Lakshmi	/	/	/	/	/	/	p	a	/	a	/	/
	9.	G. Venkateshwari	/	/	/	/	/	/	p	a	/	/	/	/
	10.	G. Chinna Ramudu	/	/	/	a	/	/	p	/	/	/	/	/
	11.	J. Swarna Latha	/	/	/	/	/	/	p	/	/	/	a	/
	12.	k. kavitha	a	/	/	/	/	/	p	/	/	/	/	/
	13.	k. Moulali	/	a	/	/	/	/	p	/	/	/	/	/
	14.	k.P. kavitha	/	/	/	/	a	/	p	/	a	/	/	/
	15.	M. Sumithra	/	/	/	/	a	/	p	/	/	/	/	/
	16.	M. Sriyani	/	/	/	/	/	/	a	/	/	a	/	/
	17.	N. Vasundhara	/	/	/	/	/	/	p	a	/	/	/	/
	18.	P. Shivani	/	/	/	/	/	a	p	/	/	/	/	/
	19.	P. Vijayakanth	/	/	/	/	/	/	p	/	/	/	/	a
	20.	R. Surendra	/	/	a	/	/	/	p	/	/	/	/	/
	21.	R. Supriya	/	/	/	/	/	/	p	/	/	/	/	/
	22.	R. Venkata Subbamma	/	a	/	/	/	/	p	/	a	/	/	/
	23.	S. Venkata Rajakumar	/	/	/	/	/	/	p	/	/	/	/	/
	24.	S. Vilson	/	/	/	/	/	/	a	/	/	/	/	/
	25.	Shaik. Fakruddin	a	/	/	/	/	/	p	/	a	/	/	/
	26.	S. Sivani	/	/	/	/	/	/	p	/	/	/	/	/
	27.	T. Mallikarjuna	/	/	/	/	/	/	a	/	/	a	/	/
	28.	T. Ramanjana Jyothi	/	/	/	/	/	/	a	/	/	/	/	/
	29.	T. Suresh	a	/	/	/	/	a	p	/	/	/	/	/
	30.	V. Sudarshan	/	/	/	/	a	/	p	/	/	/	/	/

Number present M
Daily EInitials M
E

No. on roll at the beginning of month

PRINCIPAL
PSC & KVSC Government College
NANDYAL, Nandyal (Dt.), A.P.

Instruction or Course	veg propagation stem cuttings	TP Stem cuttings	TP Leaf cuttings	Types of Nurseries	growth helmet	In Green house	Shade net	Garden weeding pruning	Laying	satisfactory leaf press	compost preparation

Left No. on Roll at the month

FOR THE MONTH OF

01.12.2020 to 23.02.2021

20

Section

Place

No. of working days	Remarks	Days of the month																															Fees	Date of Payment
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
1	Well to land.																																	21/2/21
2	Gamma plant																																	22/2/21
3	disench.																																	23/2/21
4	disench control																																	24/2/21
5	disench control																																	25/2/21
6	disench control																																	26/2/21
7	disench control																																	27/2/21
8	disench control																																	28/2/21
9	disench control																																	29/2/21
10	disench control																																	30/2/21
11	disench control																																	31/2/21
12	disench control																																	01/3/21
13	disench control																																	02/3/21
14	disench control																																	03/3/21
15	disench control																																	04/3/21
16	disench control																																	05/3/21
17	disench control																																	06/3/21
18	disench control																																	07/3/21
19	disench control																																	08/3/21
20	disench control																																	09/3/21
21	disench control																																	10/3/21
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33	disench control																																	22/3/21
34	disench control																																	23/3/21
35	disench control																																	24/3/21
36	disench control																																	25/3/21
37	disench control																																	26/3/21
38	disench control																																	27/3/21
39	disench control																																	28/3/21
40	disench control																																	29/3/21
41	disench control																																	30/3/21
42	disench control																																	31/3/21
43	disench control																																	01/4/21
44	disench control																																	02/4/21
45	disench control																																	03/4/21
46	disench control																																	

Academic Year 2021 - 2022.

REGISTER OF ATTENDANCE & FEES

Name of the Institute.....

Sl.NO.	Admission No.	NAMES	15/11/21	16/11/21	17/11/21	18/11/21	19/11/21	20/11/21	22/11/21	23/11/21	24/11/21	25/11/21	26/11/21	27/11/21
	1.	Aala Bheema Mahesh	/	/	/	/	a	/	/	/	/	/	/	/
	2.	Bantrothu Vamsi kumar	/	a	/	/	/	/	/	/	/	/	/	/
	3.	Dalavai Sireesha	/	/	/	/	/	/	/	/	/	/	/	/
	4.	D. Kaveri	/	/	a	/	/	/	a	/	/	/	/	/
	5.	G. Naga Suresh	/	/	/	/	/	a	/	/	a	/	/	/
	6.	G. Chinna Kasamma	/	/	/	/	/	/	/	/	/	/	/	/
	7.	G. Naga lakshmi	/	/	/	a	/	/	/	a	/	/	/	/
	8.	G. Venkata Saraswati	/	/	/	/	/	/	/	/	/	/	/	/
	9.	I. Pavan kalyan	a	/	/	/	/	/	/	/	/	a	/	/
	10.	I. Maheshwari	/	/	a	/	/	/	/	/	/	/	/	/
	11.	K. Sunil	/	a	/	/	/	/	/	/	/	/	a	/
	12.	K. Naveen	/	/	/	/	/	/	/	/	/	/	/	/
	13.	M. Sravani	/	/	/	/	/	/	/	/	/	/	/	/
	14.	M. Jamal Bee	/	/	/	/	/	/	/	/	/	a	/	/
	15.	M. Rajasree	/	/	/	/	/	/	a	/	/	/	/	/
	16.	M. Malik Basha	/	/	a	/	/	/	/	/	/	/	/	/
	17.	P. Kalyani	/	/	/	/	/	/	/	a	/	/	/	/
	18.	T. Anantha Lakshmi	/	/	/	/	/	a	/	/	/	/	/	/
	19.	C. Raju	/	/	/	/	/	/	/	/	/	a	/	/
	20.	S. Maunni	/	/	/	/	/	/	/	/	/	/	/	/
	21.	N. Mohan Sai	/	/	/	a	/	/	/	/	/	/	a	/
	22.	P. Lakshmi Prasanna	a	/	/	/	/	/	a	/	/	/	/	/
	23.	K. Nirmala Bai	/	/	/	/	/	/	/	/	a	/	/	/
	24.	K. Sarada Bai	/	/	/	/	/	/	/	/	/	/	/	/
	25.	M. kalyani	/	/	/	/	/	/	a	/	/	/	/	/
	26.	P. Supriya	/	a	/	/	/	/	/	/	/	/	/	/
	27.	P. kumari Bai	/	a	/	/	/	/	/	/	a	/	/	/
	28.	P.G. Charan Madhav	/	/	/	/	/	/	/	/	/	/	/	/
	29.	S. Shabana	a	/	/	/	/	/	/	/	/	/	/	/
Number present M Daily E														
Initials M E			Introduction of Cutting	veg. propagation	stem cutting	veg. propagation	stem cutting	Leaf cutting	Garden weeding	Green house	Shade net	Shaded plants	Grafting	Laying in

No. on roll at the beginning of month

Admitted during the month

Left No. on Roll at end of month

Section

Place

32/1/2024
PSC & KVSC Government College

Principal

Pradip Datta