

Project work

VSR GOVT DEGREE & PG COLLEGE

Department of Botany

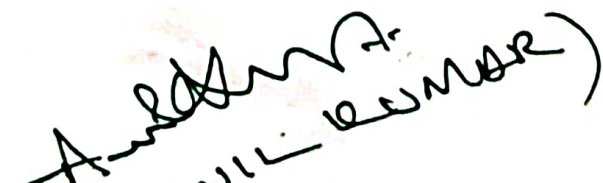
Name : P. SONY PRIYANKA

Group: BSC BIOTECHNOLOGY

Year: III 2022-23

Roll no: Y193223013

Topic: Nursery Gardening.


(C.M. ANIL KUMAR)

Submitted to .

V. Naga Lakshmi

JASMINE



Classification:

Scientific name: *Jasminum*

Family: Oleaceae

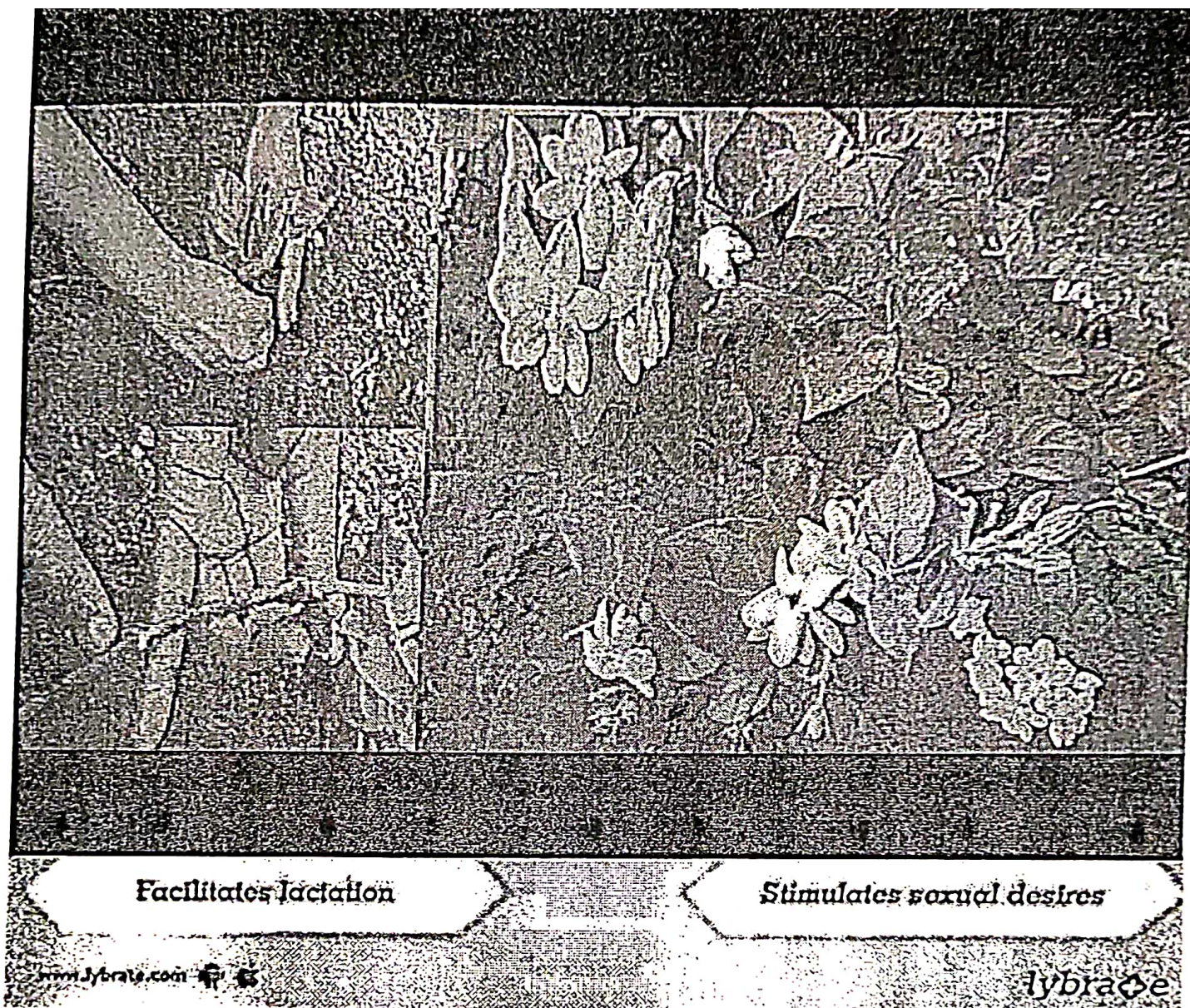
Order: Lamiales

Kingdom: Plantae

Tribe: Jasmineae

Uses:

- Jasmine is a plant. The flower is used to make medicine.
- Jasmine has been used for liver disease (hepatitis), liver pain due to cirrhosis, and abdominal pain due to severe diarrhea (dysentery).



Propagate Methods:

- Jasmine can be propagated by cuttings, layering, sucker, grafting, budding and tissue culture.
- Jasmine propagation is possible in two different ways: rooting jasmine cuttings and planting jasmine . Both methods create healthy ...

Sexual and Asexual methods:

- For getting hybrid varieties and mixing, asexual reproduction is the most convenient method than buying hybrid seeds. Plants like hibiscus, ...
- Many plants reproduce asexually as well as sexually. In asexual reproduction, part of the parent plant is used to generate a new plant. Grafting, layering

Project work

VSR GOVT DEGREE & PG COLLEGE

Department of Botany


Name : k. Haneela

Group: BSc (BT+BC)

Year: III 2022-23

Roll no: 09

Topic: Nursery Gardening


Anil Kumar

Submitted to .

V. Naga Lakshmi

JASMINE



Classification:

Scientific name: *Jasminum*

Family: Oleaceae

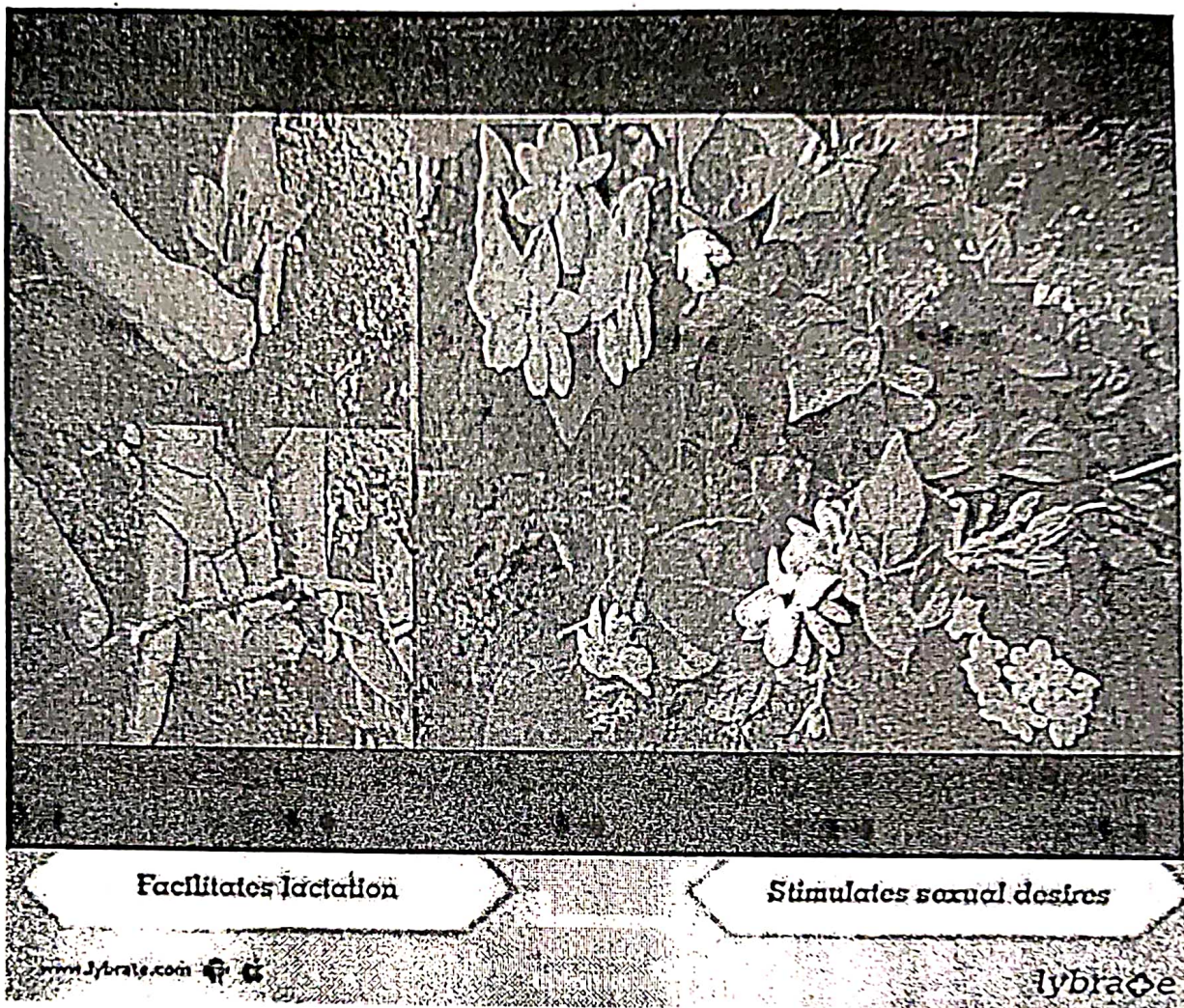
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Project work

VSR GOVT DEGREE & PG COLLEGE

Department of Botany

Name : K. Naga pavani

Group: BSc (Btbc)

Year: III 2022 - 23

Roll no: 08

Topic:

Amelanchier
Ch. Anil Kumar

Submitted to

V. Naga Lakshmi

SAPOTA



Classification:

Family: Sapotaceae

Species: *P. sapota*

Kingdom: Plantae

Order: Ericales

Uses:

Health benefits of sapota

1: Source of energy. Sapota is rich in glucose and calories that make it a source of energy. ...

2: Boost immunity. ...

3: Skin benefits, ...

4: Hair benefits. ...

Several different methods are commonly used for grafting plants. These include cleft grafting, inlay grafting, four-flap grafting, and whip grafting.

Health Benefits Of Sapodilla (Chiku)

Energy source

Helps digestion

Improves immunity

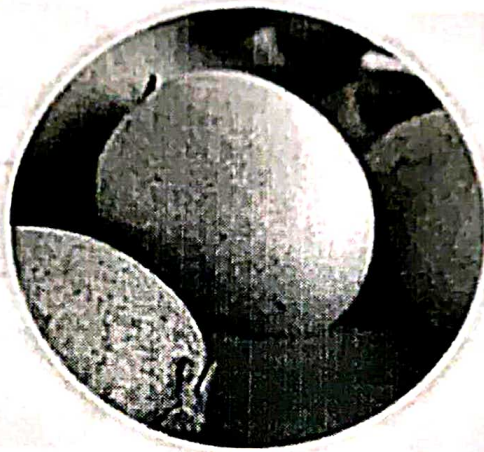
Prevents digestive ailments

Improves vision

Serves as traditional medicine

Prevents cancer

Relieves pulmonary problems



Propagated method:

- Propagation: The Sapota can be propagated by seeds by grafting or by layering.
- This method has replaced the earlier method called as approach grafting.
- The Sapato when grafted on rayon has initially slow growth but the tree lasts longer.

Sexual & Asexual methods:

- It is taken place by seed. Propagation by seeds is not advisable because seeding trees are slow growing, take longer time to come into bearing and have lot of variations.
- Generally this method is used to developed new hybrids or varieties in sapota.

Grafting :

Several different methods are commonly used for grafting plants. These include cleft grafting, inlay grafting, four-flap grafting, and whip grafting.

- Grafting applies to the dicots and to the gymnosperms because of the presence of a continuous vascular cambium between the xylem & the phloem.



Sapota Air layering:

- Air layering is carried out in the month of June.
- In this method a 1-2 year old, healthy, vigorous, mature shoot of 45-60 cm in length and pencil



thickness is selected

- A circular strip of bark about 3 cm wide just below a bud is completely removed from the selected shoot.

GUAVA

Classification:

Scientific name: *Psidium guajava*

Family: Myrtaceae

Kingdom: Plantae

Order: Myrtales

Several different methods are commonly used for grafting plants. These include cleft grafting, inlay grafting, four-flap grafting, and whip grafting.

Project work

VSR GOVT DEGREE & PG COLLEGE

Department of Botany

Name : T. Manikanta

Group: B'SC (B.T.B.C)

Year: 11 2022 - 23

Roll no: 4193223015

Topic:

Amritha
(M-Anil Kumar)

Submitted to .

V. Naga Lakshmi

JASMINE



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Family: Oleaceae

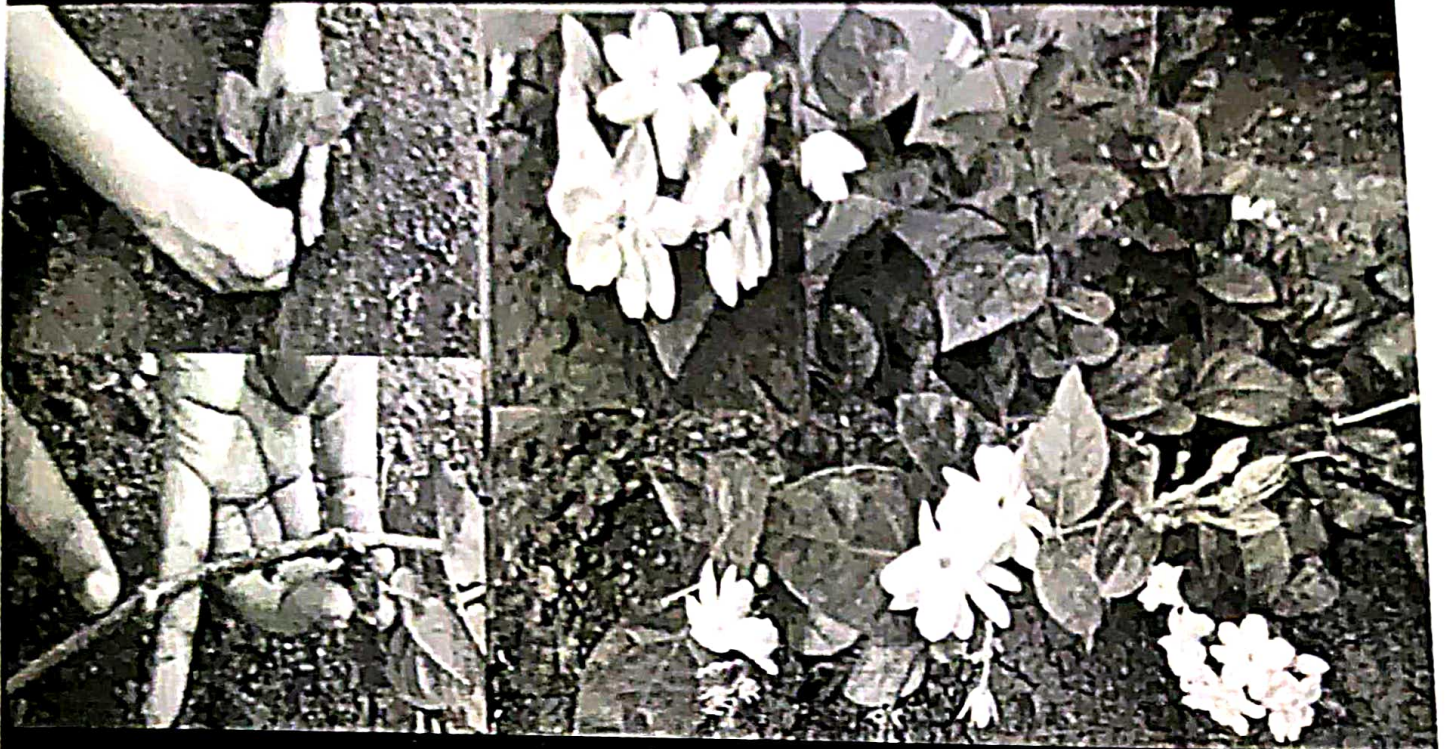
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Kingdom: Plantae

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Facilitates lactation

Stimulates sexual desires

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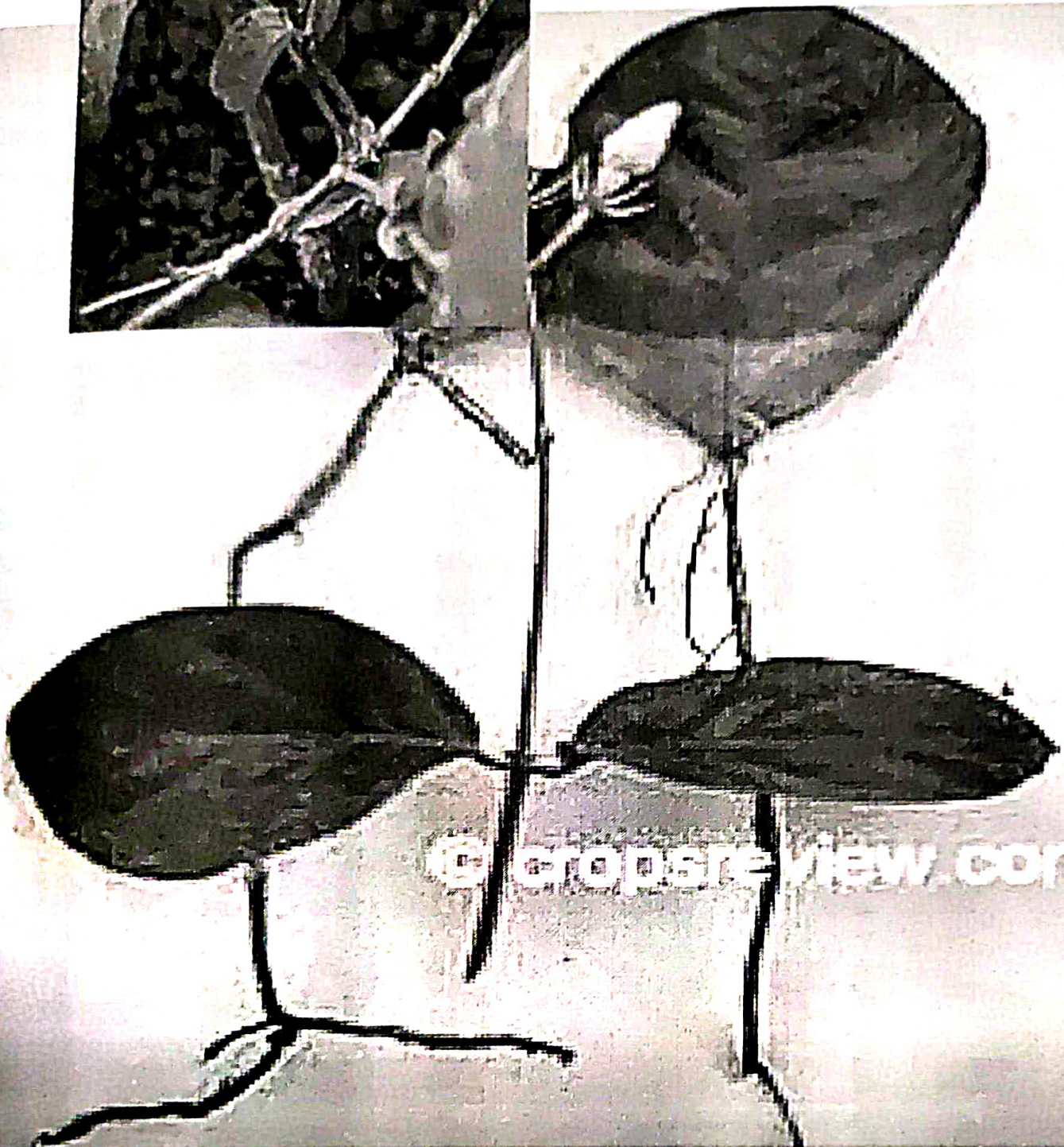
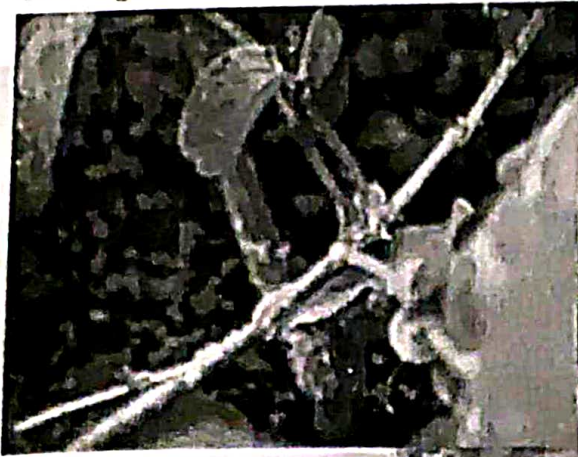
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Grafting:



- Grafting is a technique that joins two parts of a common plant and allows them to grow together as one.
- Grafting allows you to grow new jasmine plants.

Layering:

- **Propagation. Layering :** Layering is done during June-July in North India and from June to December in South India. For preparation of layers, well matured, one year old shoots are