

Practical No: 21 Prepare plan to establish plant nursery.

I. Practical Significance:

In nursery plants are grown under controlled atmospheric conditions & then planted in the field. area selected for nursery is generally a plane levelled area. Locate the total nursery plant area, road & office area etc. by using plane table.

II. Industry/Employer expected outcome(s):

- Select the relevant method of plane tabling for a given situation.

III. Course Level Learning Outcome (COs):

- CO 5- Prepare the plan using Plane Table Surveying to locate relevant details.

IV. Laboratory Learning Outcome (LLO):

- LLO 21.1 Use plane table survey to prepare plans plan to establish plant nursery.

V. Relevant Affective Domain related Outcome(s):

- Using Safe behaviors effectively.
- Maintain high standards of hygiene.
- Efficient application of tools, equipment's and machinery.
- Professional and ethical standards.

VI. Relevant Theoretical Background:

Plant nursery area is divided into various compartments like production area, sales area, parking area, office area, internal roads, growing out area, water tank area, storage area, etc. Plane table survey is suitable to plan a proper layout as per the prevailing field situations.

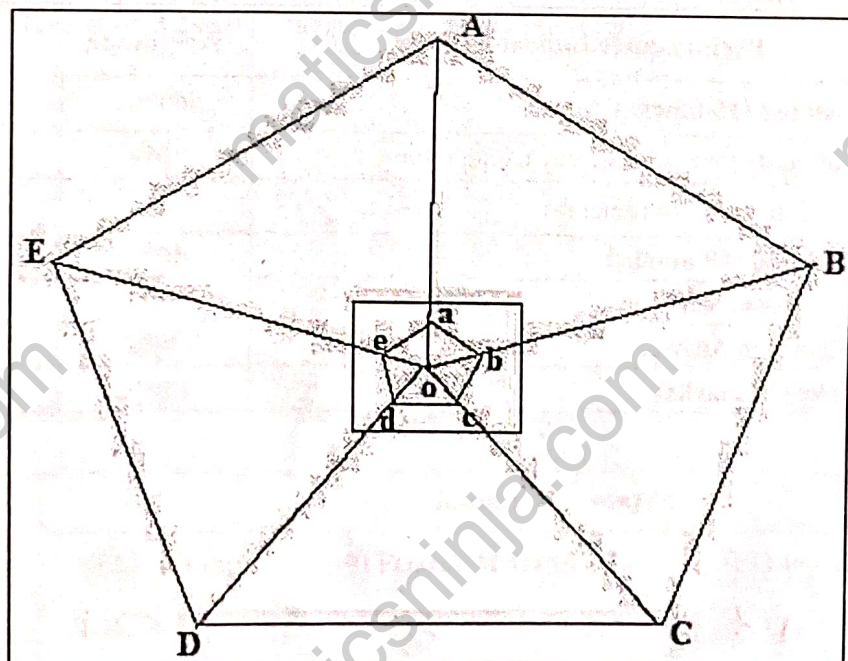


Figure No. 18.1 Radiation method of Plane Table Survey

XI. Interpretation of results:

To prepare a plan for establishing a plant nursery. Start.

XII. Conclusions:

this plan should address location selection soil preparation.

XIII. Practical Related Questions:

1. State the component parts of nursery and min area required
2. State the factors to be taken into consideration while marking layout of plant nursery.

Space for Answer

Q. 1 —————> ?

Ans:- water sources, storage, mother plant / seed bed area, potting, seedling raising area, propagation structures, office and storage, waste management.

Surveying (312339)

Q. 2 > —————> ?

Ans:-

Agro - climatic conditions, Soil types, Soil pH, location, area, irrigation facilities, communication, market demand, availability of germplasm or mother plants, skilled persons.

XIV. Assessment Scheme

Sr. No.	Performance Indicators	Weightage	Marks Obtained
A.	Process Related (15 marks)	60%	
1.	Handling of equipment's & Survey Conduction	40%	
2.	Accuracy in length measurement.	20%	