

**UG- SKILL DEVELOPMENT COURSE**  
**PLANT NURSERY**  
(w.e.f. 2020-2021 A.Y.)

Semester	Course Code (SD)	Course Title	Hrs/Sem	Hrs/wk	Credits	Sem End Exam (2 Hrs)
I	Skill Development Course	Plant Nursery	30	2	2	50 Marks

**Learning Outcomes:** On successful completion of this course students will be able to;

- Understand the importance of a plant nursery and basic infrastructure to establish it.
- Explain the basic material, tools and techniques required for nursery.
- Demonstrate expertise related to various practices in a nursery.
- Comprehend knowledge and skills to get an employment or to become an entrepreneur in plant nursery sector.

**Unit-1: Introduction to plant nursery:** **(06 Hrs)**

1. Plant nursery: Definition, importance.
2. Different types of nurseries –on the basis of duration, plants produced, structure used.
3. Basic facilities for a nursery; layout and components of a good nursery.
4. Plant propagation structures in brief.
5. Bureau of Indian Standards (BIS-2008) related to nursery.

**Unit- 2: Necessities for nursery:** **(09 Hrs)**

1. Nursery beds – types and precautions to be taken during preparation.
2. Growing media, nursery tools and implements, and containers for plant nursery, in brief.
3. Seeds and other vegetative material used to raise nursery in brief.
4. Outlines of vegetative propagation techniques to produce planting material.
5. Sowing methods of seeds and planting material.

**Unit-3: Management of nursery:** **(09 Hrs)**

1. Seasonal activities and routine operations in a nursery.
2. Nursery management – watering, weeding and nutrients; pests and diseases.
3. Common possible errors in nursery activities.
4. Economics of nursery development, pricing and record maintenance.
5. Online nursery information and sales systems.

**Suggested Co-curricular activities:** **(6 Hrs)**

1. Assignments/Group discussion/Quiz/Model Exam.
2. Demonstration of nursery bed making.
3. Demonstration of preparation of media for nursery.
4. Hands on training on vegetative propagation techniques.
5. Hands on training on sowing methods of seeds and other material.
6. Invited lecture cum demonstration by local expert.
7. Watching videos on routine practices in plant nurseries.
8. Visit to an agriculture/horticulture /forest nursery.
9. Case study on establishment and success of a plant nursery.

**Reference books:**

1. Ratha Krishnan, M., et.al. (2014) *Plant nursery management: Principles and practices*, Central Arid Zone Research Institute (ICAR), Jodhpur, Rajasthan
2. Kumar, N., (1997) *Introduction to Horticulture*, Rajalakshmi Publications, Nagercoil.
3. Kumar Mishra, K., N.K. Mishra and Satish Chand (1994) *Plant Propagation*, John Wiley & Sons, New Jersey.

**MODEL QUESTION PAPER**

SKILL DEVELOPMENT COURSES

Semester: I

**PLANT NURSERY**

Time: 2Hrs.

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Max Marks: 50

**SECTION – A**

Answer any **FOUR** questions. Each question carries 5 marks.  
20Marks

4X5M=

1. Components of good nursery
2. Plant propagation
3. Nursery tools
4. Sowing methods of seeds
5. Growing media
6. Seasonal activities
7. Errors in nursery activities
8. Importance of plant nursery

**SECTION – B**

Answer **all** the questions. Each question carries 10 marks.  
**30Marks**

3 X 10 =

9. Define Plant Nursery and Describe in detail its types.  
(OR)
10. Describe in detail about Bureau of Indian Standards in relation to nursery.
11. Write a note on Nursery beds types and precautions for propagation.  
(OR)
12. Write a note on outlines of Vegetative propagation techniques.
13. Describe in detail about Nursery management.  
(OR)
14. Write a note on online nursery information and sales systems.