ST. JOSEPH’S COLLEGE FOR WOMEN (AUTONOMOUS) VISAKHAPATNAM

B.SC.(HONORS) AGRICULTURE AND RURAL DEVELOPMENT WITH SINGLE MAJOR

# II SEMESTER AGRICULTURE AND RURAL DEVELOPMENT Time: 2hrs/week

AGRD181P (1)  **FUNDAMENTALS OF HORTICULTURE** Marks:50

w.e.f AK 2023-2024 (Admitted batch) **PRACTICAL** **SYLLABUS**

**OBJECTIVES:**

* To identify garden tools.
* To identify horticultural crops.
* To prepare different types nursery beds.

**Course Outcomes:**

**CO1:** Define, classify and outline the climate and soil conditions for horticultural crops.

**CO2:** Explain principles and methods of plant propagation, training and pruning.

: Summarize principles and steps in establishment of various orchards and types and purposes

**CO3**of gardens and irrigation and fertilizers in horticulture crops.

**CO4:** Discuss unfruitfulness, pollination and fertilization and List medicinal and aromatic plants, spices and condiments and explain the role of plant bio regulators,

**PRACTICALS:**

1. Study of features of orchard, planning and layout of orchard.

2. Study of Tools and implements in Horticulture.

 3. Identification of various horticultural crops

 4. Preparation of nursery beds for sowing of vegetable seeds

 5. Lay out of different planting systems

 6. Study of different methods of Training

 7. Study of different methods of Pruning

8. Preparation of fertilizer mixtures and field application

 9. Preparation and application of growth regulators

10. Layout of different irrigation systems

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