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

III SEMESTER **AGRICULTURE AND RURAL DEVELOPMENT** Time: 3hrs/week

AGRO202P (1) **CROP PRODUCTION TECHNOLOGY–II** Marks:50

**(OILSEEDS, FIBER, SUGAR, TOBACCO AND FODDER CROPS)**

w.e.f AJ 2022-2023  **PRACTICAL SYLLABUS**

**Objectives**

* To learn Land preparation and layout of plots
* To know about Different types of sowing methods
* To identify plant characteristics of oil seeds, fiber, sugar crops and fodder crops

**Course Outcomes**

**CO1:** Students will learn about Importance of oilseed crops- edible and non – edible oils – nutritional value importance in Indian economy

**CO2:** Students will learn about Soil and climatic requirements - types - growth stages - land Preparation -seeds and sowing- seed treatment-seed rate-spacing-season-time and method of sowing varieties

**CO3:** Students will understand about Nutrient management- water management- weed management yield attributes – yield- Harvesting – post harvest operations- quality considerations – cropping systems

**CO4:** Students will understand about Nursery management-seeds and sowing for different types- seed treatment-seed rate-spacing-season-time and method of sowing

**CO5:** Students will understand about Ratoon cane management – factors affecting quality of sugarcane – arrowing– jaggery making – clarification

**EXPERIMENTS**

1. Land preparation and layout of plots
2. Sowing methods of sugarcane
3. Sowing of oil seeds, fiber, sugar crops and fodder crops
4. Identification of plant characteristics of oil seeds, fiber, sugar crops and fodder crops
5. Yield and juice quality analysis of sugarcane
6. Visit to research stations of related crops
7. Collection of post-harvest data on the crop

**Agronomy Tour**

1. Visit to agronomic experiments of Oil seeds, fiber, sugar crops and fodder crops at experimental farms.
2. Visit to nearby farmers’ fields

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