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

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

# I SEMESTER **AGRICULTURE & RURAL DEVELOPMENT** Time:3hrs/week

AGRD 101(1)  **FUNDAMENTALS OF AGRONOMY**  Marks:50

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

**OBJECTIVES:**

• To identify the various tillage implements.

• To explain the cultivation of rice crop.

• To identify the various herbicides available in India.

**Course Outcomes:**

**CO1:** Analyze the crop production techniques and crop growth in relation to the

          environment.

**CO2:** Describe the Zero and minimum tillage: their basics and application.

**CO3:** Explain Precision agriculture and Precision farming, their concepts and application.

**EXPERIMENTS:**

1. Study of tillage Implements: Fields.     **(2 Hrs.)**

2. Practice of puddling: Fields.     **(4 Hrs.)**

3. Study of seeding equipment – different methods of sowing: Fields. **(4 Hrs.)**

4. Study of manures, fertilizers and green manure crops / seeds.     **(4 Hrs.)**

5. Study of inter-cultivation implements and practice.       **(4 Hrs.)**

6. Herbarium preparation of weeds. **(4 Hrs.)**

7. Field tours: Water reservoir: **(8 Hrs.)**

1. Krishna

2. Pattiseema Project (Polavaram)

3. Godavari

**SCHEME OF VALUATION:**

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| **S. No.** | **Experiment** | **Marks (50)** |
| 01 | Major Experiment | 15Marks |
| 02 | Minor Experiment | 10Marks |
| 03 | Viva | 10Marks |
| 04 | Record | 10Marks |
| 05 | Skills | 05Marks |

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