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

# III SEMESTER **AGRICULTURE AND RURAL DEVELOPMENT** Time: 5hrs/week

ENTO 231P (1)  **FUNDAMENTALS OF ENTOMOLOGY-II** Marks:50

## w.e.f 22AJ\_2022-2023 (Admitted batch) PRACTICAL SYLLABUS

**OBJECTIVES:**

* To study about influence of ecological factors on insect development.
* To study about the components of integrated pest management.
* To study about classification of insects.

**Course Outcomes:**

**CO1:** Students will understand about Biotic and biotic factors affecting insect ecology

**CO2:** Students will understand about pest survei lliance pest forecasting recent methods.

**CO3:** Students will understand about Beneficial insect and their mass multiplication

**CO4:** Students will understand about Atmospheric pressure and its effect on behavior.

**CO5:** Students will understand about Insect Ecology

**EXPERIMENTS:**

1. Sampling techniques for the estimation of insect population in different crops

2. Study of distribution patterns of insects in crop ecosystems

3. Techniques for the estimation of insect damage in different crops

4. Pest surveillance through light traps, pheromone traps and forecasting of pest incidence

5. Acquaintance of insecticide formulations

6. Calculation of doses/ concentrations of different insecticidal formulations

7. Compatibility of pesticides with other agrochemicals and phytotoxicity of insecticides

8. Acquaintance of mass multiplication techniques of important predators – Cryptolaemus.

9. Acquaintance of mass multiplication techniques of the egg parasitoid, Trichogramma

10. Acquaintance of mass multiplication techniques of Ha NPV and Sl NPV

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