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

III SEMESTER   **CHEMISTRY** TIME:2HRS/WEEK

CH-Ma2-3251(2) **ORGANIC CHEMISTRY** MARKS:50

w.e.f 2024-2025 (23AK Batch)  **ORGANIC PREPARATIONS**

**SYLLABUS**

**Course Objective:** The objective of the course is to train the students in the skill of organic synthesis by the conventional and green techniques.

**Course outcomes:**

On the completion of the course, the student will be able to

* + 1. Effectively use glassware, equipment and chemicals and follow experimental protocols in the laboratory.
    2. Synthesize organic compounds by the conventional and green methods.
    3. Perform common laboratory procedures including reflux, distillation, recrystallization, vacuum filtration etc.
    4. Critically evaluate data to determine the identity and percent yield of products and summarize the findings.

### Syllabus - Organic preparations (50M)

i. Acetylation of β-naphthol, vanillin and salicylic acid by:

* + - * 1. Using conventional method.
        2. Using green approach

ii. Preparation of Nerolin

### **Co-curricular activities and Assessment Methods;**

1. Continuous Evaluation: Monitoring the progress of student’s learning
2. Class Tests, Worksheets and Quizzes
3. Presentations, Projects and Assignments and Group Discussions:
4. Enhances critical thinking skills and personality
5. SEMESTER -End Examination: critical indicator of student’s learning and teaching methods adopted by teachers throughout the SEMESTER .

### **Reference books:**

1.Vogel A.I .Practical Organic Chemistry, Longman Group Ltd.

2.Bansal R.K. Laboratory Manual of Organic Chemistry, Wiley-Eastern.

3.Ahluwalia V. K. and Agarwal R. Comprehensive Practical Organic Chemistry, University press.

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