## 2.3.1 STUDENT CENTRIC METHODS USED FOR ENHANCING LEARNING EXPERIENCE

# PARTICIPATORY/EXPERIENTIAL BASED TEACHING









# **Demonstration in the Chemistry Laboratory**





# **Creative Model Making in COMMERCE**



# **EXHIBITION**





## **BOTANY LABORATORY**





## **ZOOLOGY LABORATORY**



# **CHEMISTRY LABORATORY**



# **COMPUTER LABORATORY**



# **MICRO BIOLOGY**



# **PHYSICS LABORATORY**







## **TEACHING LEARNING METHODS**

## **MATHEMATICS**

## ST.ANN'S COLLEGE FOR WOMEN

MALKAPURAM, VISAKHAPATNAM -11

#### **DEPARTMENT- WISE APPROVED TEACHING-LEARNING METHODS**

## **Department of MATHEMATICS**

## 2022-2023

The following teaching – learning methods are adopted for advanced learners in the subject of MATHEMATICS:

- 1. Project method
- 2. Problem solving method
- 3. Discussion method
- 4. Inductive- deductive methods
- 5. Analytical method

The following methods are adopted for slow learners:

- 1. Lecture method by giving illustrations
- 2. Narration method
- 3. Role play method
- 4. Demonstration method

## **COMMERCE**

## ST.ANN'S COLLEGE FOR WOMEN

MALKAPURAM, VISAKHAPATNAM -11

#### **DEPARTMENT- WISE APPROVED TEACHING-LEARNING METHODS**

#### **Department of COMMERCE:**

## 2022-2023

The following teaching – learning methods are adopted for advanced learners in the subject of COMMERCE:

- 1. Project method
- 2. Survey method
- 3. Decision making method
- 4. Problem solving method
- 5. Participatory & group learning methods like group discussion, debate & power point presentation
- 6. Empirical method

The following methods are adopted for slow learners:

- 1. Story telling method
- 2. Question & answer method
- 3. Games method
- 4. Lecture method with illustrations & teaching Aids
- 5. Recitation method etc...

#### **PUBLIC ADMINISTRATION**

## ST.ANN'S COLLEGE FOR WOMEN

MALKAPURAM, VISAKHAPATNAM -11

#### **DEPARTMENT- WISE APPROVED TEACHING-LEARNING METHODS**

## **Department of PUBLIC ADMINISTRATION:**

## 2022-2023

The following teaching – learning methods are adopted for advanced learners in the subject of PUBLIC ADMINISTRATION:

- 1. Project method
- 2. Survey method
- 3. Decision making method
- 4. Problem solving method
- 5. Participatory & group learning methods like group discussion, debate & power point presentation

The following methods are adopted for slow learners:

- 6. Story telling method
- 7. Question & answer method
- 8. Games method
- 9. Lecture method with illustrations & teaching Aids
- 10. Recitation method etc...

#### **PHYSICS**

#### ST.ANN'S COLLEGE FOR WOMEN

#### MALKAPURAM, VISAKHAPATNAM -11

#### DEPARTMENT- WISE APPROVED TEACHING-LEARNING METHODS

#### **Department of PHYSICS:**

#### 2022-2023

The following teaching – learning methods are adopted for advanced learners in the subject of PHYSICS:

- 1 Project method
- 2 Problem solving method
- 3 Participatory & group learning methods like group discussion, debate & power point presentation
- 4 Empirical method
- 5 Field methods like field trip, Botanical tour, industrial visit & labs visit
- 6 Creative methods like models preparation
- 7 Experimental method
- 8 Scientific method
- 9 Research method etc...

The following methods are adopted for slow learners:

- 1 Narration method
- 2 Question & answer method
- 3 Games method
- 4 Lecture method with illustrations & teaching Aids
- 5 Recitation method
- 6 Role play method etc..

#### **BOTANY**

#### ST.ANN'S COLLEGE FOR WOMEN

#### MALKAPURAM, VISAKHAPATNAM -11

#### **DEPARTMENT- WISE APPROVED TEACHING-LEARNING METHODS**

## **Department of BOTANY:**

#### 2022-2023

The following teaching – learning methods are adopted for advanced learners in the subject of BOTANY:

- 1 Project method
- 2 Problem solving method
- 3 Participatory & group learning methods like group discussion, debate & power point presentation
- 4 Empirical method
- 5 Field methods like field trip, Botanical tour, industrial visit & labs visit
- 6 Creative methods like models preparation
- 7 Experimental method
- 8 Scientific method etc...

The following methods are adopted for slow learners:

- 1 Narration method
- 2 Question & answer method
- 3 Games method
- 4 Lecture method with illustrations & teaching Aids
- 5 Recitation method
- 6 Role play method etc..

## **ZOOLOGY**

#### ST.ANN'S COLLEGE FOR WOMEN

#### MALKAPURAM, VISAKHAPATNAM -11

#### **DEPARTMENT- WISE APPROVED TEACHING-LEARNING METHODS**

## **Department of ZOOLOGY:**

## 2022-2023

The following teaching – learning methods are adopted for advanced learners in the subject of ZOOLOGY:

- 1 Project method
- 2 Problem solving method
- 3 Participatory & group learning methods like group discussion, debate & power point presentation
- 4 Empirical method
- 5 Field methods like field trip, Botanical tour, industrial visit & labs visit
- 6 Creative methods like models preparation
- 7 Experimental method
- 8 Scientific method
- 9 Research method
- 10 Brain storming method etc...

The following methods are adopted for slow learners:

- 1 Narration method
- 2 Question & answer method
- 3 Games method
- 4 Lecture method with illustrations & teaching Aids
- 5 Recitation method
- 6 Role play method etc..

#### **CHEMISTRY**

#### ST.ANN'S COLLEGE FOR WOMEN

#### MALKAPURAM, VISAKHAPATNAM -11

#### **DEPARTMENT- WISE APPROVED TEACHING-LEARNING METHODS**

## **Department of CHEMISTRY:**

## 2022-2023

The following teaching – learning methods are adopted for advanced learners in the subject of CHEMISTRY:

- 1 Project method
- 2 Problem solving method
- 3 Participatory & group learning methods like group discussion, debate & power point presentation
- 4 Empirical method
- 5 Field methods like field trip, Botanical tour, industrial visit & labs visit
- 6 Creative methods like models preparation
- 7 Experimental method
- 8 Scientific method
- 9 Research method
- 10 Brain storming method
- 11 Rational method etc...

The following methods are adopted for slow learners:

- 1 Narration method
- 2 Question & answer method
- 3 Games method
- 4 Lecture method with illustrations & teaching Aids
- 5 Recitation method
- 6 Role play method etc...

#### **BIO-TECHNOLOGY**

#### ST.ANN'S COLLEGE FOR WOMEN

#### MALKAPURAM, VISAKHAPATNAM -11

#### **DEPARTMENT- WISE APPROVED TEACHING-LEARNING METHODS**

## **Department of BIOTECHNOLOGY:**

## 2022-2023

The following teaching – learning methods are adopted for advanced learners in the subject of BIOTECHNOLOGY:

- 1 Project method
- 2 Problem solving method
- 3 Participatory & group learning methods like group discussion, debate & power point presentation
- 4 Empirical method
- 5 Field methods like field trip, Botanical tour, industrial visit & labs visit
- 6 Creative methods like models preparation
- 7 Experimental method
- 8 Scientific method
- 9 Research method
- 10 Brain storming method
- 11 Rational method
- 12 Buzz method etc...

The following methods are adopted for slow learners:

- 1 Narration method
- 2 Question & answer method
- 3 Games method
- 4 Lecture method with illustrations & teaching Aids
- 5 Recitation method
- 6 Role play method etc...

#### **MICRO-BIOLOGY**

#### ST.ANN'S COLLEGE FOR WOMEN

#### MALKAPURAM, VISAKHAPATNAM -11

#### **DEPARTMENT- WISE APPROVED TEACHING-LEARNING METHODS**

## **Department of BIO CHEMISTRY:**

## 2022-2023

The following teaching – learning methods are adopted for advanced learners in the subject of BIO CHEMISTRY:

- 1. Project method
- 2. Problem solving method
- 3. Participatory & group learning methods like group discussion, debate & power point presentation
- 4. Empirical method
  - 5. Field methods like field trip, Botanical tour, industrial visit & labs visit
  - 6. Creative methods like models preparation
  - 7.Experimental method
  - 8. Scientific method
- 9. Research method
- 10. Brain storming method
  - 11. Rational method etc...

The following methods are adopted for slow learners:

- 1.Narration method
- 2. Question & answer method
  - 3. Games method
  - 4.Lecture method with illustrations & teaching Aids
  - 5. Recitation method

## **COMPUTERS**

#### ST.ANN'S COLLEGE FOR WOMEN

#### MALKAPURAM, VISAKHAPATNAM -11

#### **DEPARTMENT- WISE APPROVED TEACHING-LEARNING METHODS**

## **Department of COMPUTER SCIENCE:**

## 2022-2023

The following teaching – learning methods are adopted for advanced learners in the subject of COMPUTER SCIENCE:

- 13 Project method
- 14 Problem solving method
- 15 Participatory & group learning methods like group discussion, debate & power point presentation
- 16 Empirical method
- 17 Field methods like field trip, Botanical tour, industrial visit & labs visit
- 18 Creative methods like models preparation
- 19 Experimental method
- 20 Scientific method
- 21 Research method
- 22 Brain storming method
- 23 Rational method
- 24 Buzz method etc...

The following methods are adopted for slow learners:

- 7 Narration method
- 8 Question & answer method
- 9 Games method
- 10 Lecture method with illustrations & teaching Aids
- 11 Recitation method
- 12 Role play method etc...

## **STATISTICS**

## ST.ANN'S COLLEGE FOR WOMEN

MALKAPURAM, VISAKHAPATNAM -11

#### **DEPARTMENT- WISE APPROVED TEACHING-LEARNING METHODS**

## **Department of STATISTICS**

## 2022-2023

The following teaching – learning methods are adopted for advanced learners in the subject of STATISTICS:

- 6. Project method
- 7. Problem solving method
- 8. Discussion method
- 9. Inductive- deductive methods
- 10. Analytical method

The following methods are adopted for slow learners:

- 5. Lecture method by giving illustrations
- 6. Narration method
- 7. Role play method
- 8. Demonstration method

## **HISTORY**

## ST.ANN'S COLLEGE FOR WOMEN

MALKAPURAM, VISAKHAPATNAM -11

#### **DEPARTMENT- WISE APPROVED TEACHING-LEARNING METHODS**

## **Department of HISTORY:**

## 2022-2023

The following teaching – learning methods are adopted for advanced learners in the subject of HISTORY:

- 6. Project method
- 7. Survey method
- 8. Decision making method
- 9. Problem solving method
- 10. Participatory & group learning methods like group discussion, debate & power point presentation

The following methods are adopted for slow learners:

- 11. Story telling method
- 12. Question & answer method
- 13. Games method
- 14. Lecture method with illustrations & teaching Aids
- 15. Recitation method etc...

#### **ECONOMICS**

## ST.ANN'S COLLEGE FOR WOMEN

MALKAPURAM, VISAKHAPATNAM -11

## **DEPARTMENT- WISE APPROVED TEACHING-LEARNING METHODS**

## **Department of ECONOMICS:**

## 2022-2023

The following teaching – learning methods are adopted for advanced learners in the subject of ECONOMICS:

- 11. Project method
- 12. Survey method
- 13. Decision making method
- 14. Problem solving method
- 15. Participatory & group learning methods like group discussion, debate & power point presentation

The following methods are adopted for slow learners:

- 16. Story telling method
- 17. Question & answer method
- 18. Games method
- 19. Lecture method with illustrations & teaching Aids
- 20. Recitation method etc..

#### **BIO-CHEMISTRY**

#### ST.ANN'S COLLEGE FOR WOMEN

## MALKAPURAM, VISAKHAPATNAM -11

#### **DEPARTMENT- WISE APPROVED TEACHING-LEARNING METHODS**

### **Department of BIOCHEMISTRY:**

#### 2022-2023

The following teaching – learning methods are adopted for advanced learners in the subject of BIOCHEMISTRY:

- 25 Project method
- 26 Problem solving method
- 27 Participatory & group learning methods like group discussion, debate & power point presentation
- 28 Empirical method
- 29 Field methods like field trip, Botanical tour, industrial visit & labs visit
- 30 Creative methods like models preparation
- 31 Experimental method
- 32 Scientific method
- 33 Research method
- 34 Brain storming method
- 35 Rational method
- 36 Buzz method etc...

The following methods are adopted for slow learners:

- 12 Narration method
- 13 Question & answer method
- 14 Games method
- 15 Lecture method with illustrations & teaching Aids
- 16 Recitation method
- 17 Role play method etc...

#### **ENGLISH**

## ST.ANN'S COLLEGE FOR WOMEN

MALKAPURAM, VISAKHAPATNAM -11

# DEPARTMENT- WISE APPROVED TEACHING-LEARNING METHODS

## **Department Of ENGLISH:**

## 2022-2023

The following teaching – learning methods are adopted for advanced learners in the subject of ENGLISH:

- 1. Research project writing method or Article writing method
- 2. Public Speaking method
- 3. Audio visual methods
- 10.Book review method
- 11. Translation method
- 12.Communication method

The following methods are adopted for slow learners:

- 1. Recitation method
- 2. Story telling method
- 3. Games method
- 10. Role play method
- 11. Audio-visual method
- 12. Communication method which gives more stress on 'listening & reading'

#### **HINDI**

## ST.ANN'S COLLEGE FOR WOMEN

MALKAPURAM, VISAKHAPATNAM -11

#### **DEPARTMENT- WISE APPROVED TEACHING-LEARNING METHODS**

## **Department Of HINDI:**

## 2022-2023

The following teaching – learning methods are adopted for advanced learners in the subject of HINDI:

- 4. Research project writing method or Article writing method
- 5. Public Speaking method
- 6. Audio visual methods
- 7. Book review method
- 8. Translation method
- 9. Communication method

The following methods are adopted for slow learners:

- 4. Recitation method
- 5. Story telling method
- 6. Games method
- 7. Role play method
- 8. Audio-visual method
- 9. Communication method which gives more stress on 'listening & reading'

## **TELUGU**

## ST.ANN'S COLLEGE FOR WOMEN

MALKAPURAM, VISAKHAPATNAM -11

# DEPARTMENT- WISE APPROVED TEACHING-LEARNING METHODS

## Department Of TELUGU:

## 2022-2023

The following teaching – learning methods are adopted for advanced learners in the subject of TELUGU:

- 10. Research project writing method or Article writing method
- 11. Public Speaking method
- 12. Audio visual methods
- 10.Book review method
- 11. Translation method
- 12.Communication method

The following methods are adopted for slow learners:

- 10. Recitation method
- 11. Story telling method
- 12. Games method
- 10. Role play method
- 11.Audio-visual method
- 12.Communication method which gives more stress on 'listening & reading'

## **COURSE METHODS DEPARTMENT-WISE**

## **MATHEMATICS**

## ST.ANN'S COLLEGE FOR WOMEN

MALKAPURAM, VISAKHAPATNAM -11

#### **COURSE- WISE APPROVED TEACHING-LEARNING METHODS**

## **Department of MATHEMATICS**

## 2022-2023

The following teaching – learning methods are adopted for advanced learners in the subject of MATHEMATICS:

- 11. Project method
- 12. Problem solving method
- 13. Discussion method
- 14. Inductive- deductive methods
- 15. Analytical method

The following methods are adopted for slow learners:

- 9. Lecture method by giving illustrations
- 10. Narration method
- 11. Role play method
- 12. Demonstration method

## ST.ANN'S COLLEGE FOR WOMEN

MALKAPURAM, VISAKHAPATNAM -11

#### **COURSE- WISE APPROVED TEACHING-LEARNING METHODS**

## **Department of STATISTICS**

## 2022-2023

The following teaching – learning methods are adopted for advanced learners in the subject of STATISTICS:

- 16. Project method
- 17. Problem solving method
- 18. Discussion method
- 19. Inductive- deductive methods
- 20. Analytical method

The following methods are adopted for slow learners:

- 13. Lecture method by giving illustrations
- 14. Narration method
- 15. Role play method
- 16. Demonstration method