

**ANDHRA UNIVERSITY**

**PROGRAM PROJECT REPORT**

**M.Sc. Organic Chemistry**



School of Distance Education

Visakhapatnam-530 003, A.P., India  
Mail id : sdeauvsp@andhrauniveristy.edu.in

## Master of Science M.Sc. (Organic Chemistry)

### 1. INFORMATION ON RELEVANCE OF PROGRAM

#### Introduction:

Andhra University is offering M.Sc. (Organic Chemistry) program to provide students in the scientific skills and chemical knowledge essential to develop and apply the knowledge in chemical sciences related to analysis of food and drug chemistry.

#### Objectives of the program:

The students who complete this course shall:

- 1) Have strong foundation in the fundamentals and applications of chemical knowledge and understanding
- 2) Have the abilities to think critically, logically and analytically and solve problem in the area of chemical sciences, drug chemistry, medicinal chemistry and water pollution
- 3) Have the abilities to carry out chemical experiments, record and analyze the results and design advanced models
- 4) Have the abilities to use modern library and information retrieving tools to obtain information and assimilate to generate concepts and apply them in challenging situations

### 2. INSTRUCTIONAL DESIGN

#### Eligibility & Admission Criteria:

B.Sc. with Chemistry

#### Medium and Method of instruction:

The medium of instruction shall be English. The method of instruction shall comprise print and face to face interaction.

**Course Material:** Comprehensive printed course material, specially designed for self-study, shall be provided to every learner, Softcopy of the Self Learning Material (SLM) will be supplied to all the learners after confirmation of admission In addition to the course material, the learners are required to read suggested textbooks and articles published in journals.

Academic Counseling: Face-to-face classes are conducted at designated centres in all programs to enable the learners to have interaction with resource persons for clarification of doubts.

#### Examinations:

Each paper carries 70 marks end theory examinations and 30 marks internal assessment in the form of assignments. Exams are conducted at different affiliated colleges of the University by

sending observers from University

**Duration:** The duration of each theory examination shall be three hours.

### **3. PROCEDURE OF EVALUATION**

The theory papers of end examinations will be evaluated by different faculty members drawn from University and affiliated colleges.

#### **Internal Evaluation:**

Internal evaluation shall be made on the evaluation of the assignments submitted by the learners for 30 marks.

#### **Reappearance:**

A learner who has fails in any theory paper of any year shall have to reappear for the examination of that course in the following end examinations.

#### **Betterment:**

- ✓ Learners who have passed in all the courses of a program and who have obtained a Pass or SecondClass are eligible for attempting for Betterment of Grades.
- ✓ Learners who have already secured a First Class are not eligible for betterment of Grade.
- ✓ Betterment of Grades is permitted only once and that too within two years of passing.
- ✓ Learners can appear for betterment of all papers in a year.
- ✓ New Marks list / Provisional Certificate shall be issued to candidates who have improved their Class aftersubmitting the old Marks List/Provisional Certificate only.

### **4. Eligibility for the Award of Master of Science (M.Sc.) Degree:**

#### **Duration of the program:**

The course of study for M.Sc. Program through Distance Learning shall be extended over a period of two academic years. However, a learner may complete the program in not more than four years including the study period.

A learner shall be eligible for the award of M.Sc., if he/she fulfils the following conditions.

- ✓ Registered and successfully completed all the courses.
- ✓ Successfully acquired the minimum required marks as specified in the curriculum.
- ✓ The learners should not have any dues to the University, and
- ✓ No disciplinary action is pending against the learner.

## 5. GENERAL INSTRUCTIONS:

The academic regulations should be read as a whole for purpose of any interpretation.

- In case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Vice Chancellor is final.
- The University may change or amend the academic regulations, scheme of instructions and syllabus at any time and the changes and amendments made shall be applicable to all the learners with effect from a date notified by the University.

6. **FEE STRUCTURE:** Rs. 17,000/- per annum

## 7. COURSE STRUCTURE:

S. No.	Paper	Name of the Paper
1	Paper - I	General Chemistry
2	Paper - II	Inorganic Chemistry
3	Paper - III	Organic Chemistry
4	Paper - IV	Physical Chemistry
5	Practical - I	Inorganic Chemistry
6	Practical - II	Organic Chemistry
7	Practical - III	Physical Chemistry

S. No.	Paper	Name of the Paper
1	Paper - I	Organic Reaction Mechanism
2	Paper - II	Organic Spectroscopy
3	Paper - III	Organic Synthesis
4	Paper - IV	Natural Products and Biopolymers
5	Practical - I	A. Analysis of organic mixture involved two components B. Estimating functions group in Organic Compound
6	Practical - II	Multi stage synthesis of an organic compound involving three or more than three stages Record
7	Practical - III	Comprehensive Viva-Voce