# COURSE OBJECTIVES AND COURSE OUTCOMES

## T. Y. B. Sc. SEMESTER - V

## SUBJECT: CHEMISTRY PAPER - III (USCH503)

| Sr. No. | Course Objectives | Course Outcomes |
|---|---|---|
| 1) | To introduce students to the basic concepts of photochemistry | Students will get insight into basic concepts of photochemistry |
| 2) | To learn mechanisms of organic reactions and get information about agrochemicals | Learners will develop strong base to understand reaction mechanisms |
| 3) | To expose students to advanced aspects of stereochemistry | The learner will be able to comprehend stereochemical aspects |
| 4) | To expose students to the field of spectroscopy | They will develop the ability to interpret spectral data for structural elucidation |
| 5) | To get insight into the nomenclature of organic compounds | Students will be able to independently find IUPAC names of bi-cyclo compounds, spiro compounds and cimmulenes |
| 6) | To understand the structure elucidation of natural products | Students will be able to comprehend analytical evidence for the structural studies of natural products |

## T. Y. B. Sc. SEMESTER - VI

## SUBJECT: CHEMISTRY PAPER - III (USCH603)

| Sr. No. | Course Objectives | Course Outcomes |
|---|---|---|
| 1) | To expose students to advanced aspects of stereochemistry | The learner will be able to comprehend stereochemical aspects |
| 2) | To get comprehensive information about amino acids and proteins | Students will gain knowledge about the properties, structure and synthesis of nucleic acids and proteins |
| 3) | To expose students to the field of IR and NMR spectroscopy | The learner will develop the ability to interpret spectral data for structural elucidation |
| 4) | To get insight into the chemistry of carbohydrates | Students will get comprehensive information about the structure, properties and synthesis of carbohydrates |
| 5) | To understand the structure of nucleic acids | Learners will get insight into the structure of RNA and DNA |
| 6) | To get comprehensive information about polymers | They will get insight into the structure and applications of polymers |