



MANNAR THIRUMALAI NAICKER COLLEGE (Autonomous)
(An Autonomous Institution Affiliated to Madurai Kamaraj University)
(Accredited with "A" Grade by NAAC)
Pasumalai, Madurai -625004

V & VI SEMESTER - COURSE OUTCOMES
SCIENCE

ALLIED CHEMISTRY

18UCHA51

**ALLIED CHEMISTRY – III
PHYSICAL CHEMISTRY**

Course Outcomes:

After completion of this course, the student will be able to

CO1: mention and outline the concepts behind the reactions in gases, solutions and solids.
(K1 & K2)

CO2: determine mechanism of a reaction. (K3)

CO3: distinguish electrochemical, catalytic and thermodynamic transformations and can illustrate their scope to wider areas.(K4)

CO4: justify various chemical processes taking place in all the three phases.(K5)

CO5: predict the feasibility and rate of reactions occurring in solids, solutions and gases.(K6)

18UCHA61

**ALLIED CHEMISTRY - IV
APPLIED AND ANALYTICAL CHEMISTRY**

Course Outcomes:

After completion of this course, the student will be able to

CO1: describe processes involved in extraction and manufacture of natural and synthetic compounds. (K1)

CO2: explain the techniques of separation of natural and synthetic compounds (K2)

CO3: identify a suitable method of synthesis and purification of a specific compound. (K3)

CO4: examine the analytical data and can identify the type of molecule present. (K4)

CO5: appreciate the application of various compounds in daily life. (K5)

18UCHAP2

**ALLIED CHEMISTRY PRACTICAL - II
ORGANIC ANALYSIS PRACTICAL**

Course Outcomes

After completion of this course, the students will be able to

- CO1:** list the elements present in organic compounds. (K1)
- CO2:** explain the reactions of organic compounds. (K2)
- CO3:** identify the functional groups present. (K3)
- CO4:** distinguish properties of functional groups of same element. (K4)
- CO5:** defend their results using confirmatory test.(K5)