



# TAMIL NADU OPEN UNIVERSITY

Chennai - 15

School of Sciences

Department of Chemistry

## HOME ASSIGNMENT

Programme Code No : 1182

Programme Name : B.Sc. Chemistry - 1<sup>st</sup> Year [Semester -1]

Course Code & Name : BCHES - 11 & Chemistry - I

Batch : AY 2023-24

No. of Assignments : 2 [One Assignment for each 2 credits]

Maximum CIA Marks : 30 [Average of total no. of Assignments]

### ASSIGNMENT-1

Max: 30 Marks

Answer any ONE of the following three questions in 1500 words

- 1) Write in details about the following effects with Examples
  - (i) Electromeric effect
  - (ii) Resonance Effect
  - (iii) Inductive effect
- 2) Discuss in details about periodic laws and periodic properties.
- 3) Discuss in details about the classifications of organic compounds based on carbon skeleton.

\*\*\*\*\*



# TAMIL NADU OPEN UNIVERSITY

Chennai - 15

School of Sciences

Department of Chemistry

## HOME ASSIGNMENT

Programme Code No : 1182

Programme Name : B.Sc. Chemistry - 1<sup>st</sup> Year [Semester -1]

Course Code & Name : BCHES - 11 & Chemistry - I

Batch : AY 2023-24

No. of Assignments : 2 [One Assignment for each 2 credits]

Maximum CIA Marks : 30 [Average of total no. of Assignments]

### **ASSIGNMENT-2**

Max: 30 Marks

**Answer any ONE of the following three questions in 1500 words**

- 1) Write notes on the IUPAC naming of
  - (i) Phenols
  - (ii) Ketones
  - (iii) Alcohols
- 2) Explain about the IUPAC naming of Alkanes, Alkenes and Alkynes.
- 3) Discuss in details about the classifications of organic compounds based on functional group.

\*\*\*\*\*