

# SIDDHINATH MHAVIDYALAYA

## DEPARTMENT OF CHEMISTRY

### TEACHING PLAN -2018-2019

TEACHING PLAN OF SEMESTER – I (2018-2019)				
PAPER DSC – 1A (CC-1) Atomic Structure, Bonding, general organic chemistry & aliphatic hydrocarbons				
	MODULE	TEACHER	NO OF LECTURES	TO BE COMPLETED
Unit- I	Atomic Structure	S.S	06	2 MONTHS
Unit- II	Chemical Bonding and Molecular Structure		10	
Unit- III	Fundamentals of Organic Chemistry		06	
Unit- IV	Stereochemistry		05	
Unit- V	Aliphatic Hydrocarbons (Alkanes, Alkenes, Alkynes )		10	
<b>PAPER DSC – 1A (P)</b>				
Unit- I	Estimation of oxalic acid by titrating it with $\text{KMnO}_4$ .	S.S	09	2 MONTHS
Unit- II	Estimation of Fe (II) ions by titrating it with $\text{K}_2\text{Cr}_2\text{O}_7$ using internal indicator.			
Unit- III	Estimation of Cu (II) ions iodometrically using $\text{Na}_2\text{S}_2\text{O}_3$ .			
Unit- IV	Detection of extra elements (N, S, Cl, Br, I) in organic compounds (containing upto two extra elements)			

TEACHING PLAN OF SEMESTER – II (2018-2019)				
PAPER DSC – -1B (CC-2): Chemical Energetics, Equilibria & Functional Organic Chemistry .				
	MODULE	TEACHER	NO OF LECTURES	TO BE COMPLETED
Unit- I	Atomic Structure	S.S	06	2 MONTHS
Unit- II	Chemical Bonding and Molecular Structure		10	
Unit- III	Fundamentals of Organic Chemistry		06	
Unit- IV	Stereochemistry		05	
Unit- V	Aliphatic Hydrocarbons (Alkanes, Alkenes, Alkynes )		10	
Unit- VI				
PAPER DSC – 1A (P)				
Unit- I	Estimation of oxalic acid by titrating it with KMnO <sub>4</sub> .	S.S	09	2 MONTHS
Unit- II	Estimation of Fe (II) ions by titrating it with K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> using internal indicator.			
Unit- III	Estimation of Cu (II) ions iodometrically using Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> .			
Unit- IV	Detection of extra elements (N, S, Cl, Br, I) in organic compounds (containing upto two extra elements)		05	