

# DEPARTMENT OF CHEMISTRY

## ACADEMIC PLAN 2020 – 2021

### **I B.Sc., PAPER – I SEMESTER - I (INORGANIC & PHYSICAL CHEMISTRY)**

<b>Month</b>	<b>Inorganic Chemistry</b>	<b>PH</b>
FEBRUARY, 2021	CHEMISTRY OF P-BLOCK ELEMENTS	
MARCH, 2021	CHEMISTRY OF D-BLOCK ELEMENTS	SOLID
APRIL, 2021	CHEMISTRY OF F -BLOCK ELEMENTS	
MAY, 2021	THEORIES OF BONDING IN METALS	SOLUTION
JUNE, 2021	REVISION	D

### **I B.Sc., PAPER – II SEMESTER - II (ORGANIC & GENERAL CHEMISTRY)**

<b>Month</b>	<b>Organic Chemistry</b>	<b>Gene</b>
JUNE, 2021	ALKANES	
JULY, 2021	CYCLOALKANES & ALKENES	SURF
AUGUST, 2021	ALKYNES	CHE
SEPTEMBER, 2021	REACTIONS OF ALKYNES & CONCEPT OF AROMATICITY	STE
OCTOBER, 2021	REACTIONS OF BENZENE	STE

### **II B.Sc., PAPER-III SEMESTER - III (ORGANIC & INORGANIC CHEMISTRY)**

<b>MONTH</b>	<b>INORGANIC CHEMISTRY</b>	<b>OR</b>
OCTOBER, 2020	THEORIES OF BONDING IN METALS	HA
NOVEMBER, 2020	METAL CARBONYLS AND RELATED COMPOUNDS	HY
DECEMBER, 2020	CHEMISTRY OF D-BLOCK ELEMENTS	CAR
JANUARY, 2021	CHEMISTRY OF D-BLOCK ELEMENTS	ACTIVE
FEBRUARY, 2021	CHEMISTRY OF F-BLOCK ELEMENTS	CARBOXYLIC

**II B.Sc., PAPER-IV - SEMESTER - IV  
(PHYSICAL & GENERAL CHEMISTRY)**

<b>MONTH</b>	<b>PHYSICAL CHEMISTRY</b>	<b>SPEC</b>
APRIL,2021	ELECTROCHEMISTRY	SPECTRO
MAY,2021	ELECTROCHEMISTRY	UV-VISIBLE
JUNE,2021	PHASE RULE	INFRARED SPECTROSC
JULY,2021	DILUTE SOLUTIONS	NMR SP
AUGUST,2021	DILUTE SOLUTIONS	R

**III B.Sc., PAPER - V SEMESTER -V  
(INORGANIC, ORGANIC & PHYSICAL CHEMISTRY)**

<b>MONTH</b>	<b>INORGANIC CHEMISTRY</b>	<b>ORGANIC &amp;</b>
OCTOBER,2020	COORDINATION CHEMISTRY	NITRO
NOVEMBER,2020	COORDINATION CHEMISTRY	NITRO
DECEMBER,2020	COORDINATION CHEMISTRY	THE
JANUARY,2021	SPECTRAL AND MAGNETIC PROPERTIES OF METAL COMPLEXES	THI
FEBRUARY,2021	STABILITY OF METAL COMPLEXES	THI

**III B.Sc., PAPER - VI SEMESTER -V  
(INORGANIC, ORGANIC & PHYSICAL CHEMISTRY)**

<b>MONTH</b>	<b>INORGANIC CHEMISTRY</b>	<b>ORO</b>
OCTOBER,2020	HETEROCYCLIC COMPOUNDS	C
NOVEMBER,2020	HETEROCYCLIC COMPOUNDS	C
DECEMBER,2020	CARBOHYDRATES	REACTIV

JANUARY,2021	CARBOHYDRATES	F
FEBRUARY,2021	AMINOACIDS & PROTEINS	BIOIN

**III B.Sc., SEMESTER -VI  
(ELECTIVE & CLUSTER)**

<b>MONTH</b>	<b>ELECTIVE VIIB</b>	<b>CLUSTER VIII A-1</b>	<b>CLUST A</b>
APRIL-2021	ENVIRONMENTAL CHEMISTRY INTRODUCTION	INTRODUCTION OF POLYMERS	INTRODU SPECTROSCO OF AN
MAY-2021	AIR POLLUTION	TECHNIQUES OF POLYMERIZATION	MOLE SPECTR
JUNE-2021	WATER POLLUTION	KINETICS OF FREE RADICAL POLYMERIZATION	UV – VIS SPECTR
JULY-2021	CHEMICAL TOXICOLOGY	POLYMER ADDITIVES POLYMERS AND THEIR APPLICATIONS	SEPARATION ELEMENTA
AUGUST-2021	ECO SYSTEM AND BIODIVERSITY	RIVISION	RIVI

