

## I – Academic Planner

A. Teaching Plan ( Year : 2020 Semester: **Odd**)

Teacher's Name Dr. Hemlata Vashisht

Department Chemistry

S. No.	UPC	Paper Name	Core/AECC /GE/SEC	Topic/Unit	Start Date	End Date
1.	32171101 B.Sc. (H) Chemistry, I Year, I Semester (Theory)	Inorganic Chemistry-I	Core	Chemical Bonding (Ionic Bond)	21 <sup>st</sup> November,2020	19 <sup>th</sup> December,2020
				Chemical Bonding (Covalent Bond)	26 <sup>th</sup> December,2020	23 <sup>rd</sup> January,2021
				Chemical Bonding (Metallic Bond)	30 <sup>th</sup> January,2021	13 <sup>th</sup> February, 2021
				Chemical Bonding (Weak Chemical Forces)	20 <sup>th</sup> February,2021	6 <sup>th</sup> March,2021
2.	42171103 B.Sc. Analytical Chemistry, I Year, I Semester (Theory)	Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons	Core	Atomic Structure	24 <sup>th</sup> November,2020	19 <sup>th</sup> January,2021
				Periodicity of Elements	26 <sup>th</sup> January,2021	2 <sup>nd</sup> March,2021
3.	32171101 B.Sc. (H) Chemistry I Year, I Semester (Practical)	Inorganic Chemistry-I	Core	Titrimetric analysis Calibration and use of apparatus Preparation of solutions of titrant of different molarity/normality	20 <sup>th</sup> November,2020	4 <sup>th</sup> December,2020

				Acid Base Titrations	11 <sup>th</sup> December,2020	8 <sup>th</sup> January,2021
				Oxidation-Reduction Titrations	15 <sup>th</sup> January,2021	26 <sup>th</sup> February,2021

**B. FDP/Seminar/Workshops/Lectures to be attended and/or to be conducted by Teachers**

Event Topic					
Type / Nature (FDP/Webinar/Workshop etc.)					
Organizing In-charge					
Details regarding invited Resource Person					
Nature of Participation (e.g. Invited Speaker, Participant etc.)					
Date/s		Timing/s		Mode	

**C. Internal Assessment: House Exam (Test/Presentation etc.) & Assignment\***

Course Code	Course Name	Unique Paper Code	Topic Name	Day and Date	Date/s of Exhibiting the Assessment Sheet to students, Discussing the marks, Returning/Retaining
Core	Inorganic Chemistry-I	32171101	Chemical Bonding Assignment	20 <sup>th</sup> February,2021	6 <sup>th</sup> March,2021
			Chemical Bonding Test	13 <sup>th</sup> February,2021	20 <sup>th</sup> February,2021
Core	Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons	42171103	Atomic Structure and Periodicity of Elements Assignment	16 <sup>th</sup> February,2021	23 <sup>rd</sup> February,2021
			Atomic Structure and Periodicity of Elements Test	9 <sup>th</sup> February,2021	16 <sup>th</sup> February,2021

\*Marks of the Internal Assessment to be submitted to the College 15 days before the last working day of every semester

**D. Organization of Department/College Society Meetings by Staff Advisor/Convener**

Department/Society	Meeting Date	Purpose

**E. College Functions**

College Function	Function Date	Role to be played

**For Departments**

**A. Department activities for students – Election/Freshers/Welcome/Farewell/Department Seminars/Society functions**

Event	Date	Timing	Venue	Event In-charge / Supervisor
Department Election				
Fresher's Welcome				
Farewell				
Department Society functions				
Department Seminars				

Any Other ( )				
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**B. Outstation Field Visit for Students**

Project Name / Paper Name				
Destination		Travel Mode		
Departure Month		Return		
Faculty-in-Charge		Number of Students going		

**C. FDP/Seminar/Workshops/Lectures to be attended and/or to be conducted by Department**

Event Topic					
Type / Nature (FDP/Webinar/Workshop etc.)					
Organizing In-charge					
Details regarding invited Resource Person					
Nature of Participation (e.g. Invited Speaker, Participant etc.)					
Date/s		Timing/s		Mode	

## I – Academic Planner

### A. Teaching Plan ( Year : 2021 Semester: **Even** )

Teacher's Name Dr. Hemlata Vashisht Department Chemistry

S. No.	UPC	Paper Name	Core/AECC /GE/SEC	Topic/Unit	Start Date	End Date
1.	42177926 B.Sc. Analytical Chemistry III Year, VI Semester (Theory)	Organometallics, Bioinorganic Chemistry, Biomolecules UV, IR Spectroscopy	Core	Organometallic Compounds Definition and Classification, hapticity concept of organic ligands	4 <sup>th</sup> January, 2021	18 <sup>th</sup> January, 2021
				Organometallic Compounds Metal Carbonyls	25 <sup>th</sup> January, 2021	1 <sup>st</sup> February, 2021
				Organometallic Compounds π-acceptor behavior of CO, synergistic effect, Use of IR data to explain extent of back bonding	8 <sup>th</sup> February, 2021	22 <sup>nd</sup> February, 2021
				Organometallic Compounds Zeise's Salt, Metal Alkyls and Ferrocene	1 <sup>st</sup> March, 2021	22 <sup>nd</sup> March, 2021
				Bio-inorganic Chemistry	5 <sup>th</sup> April, 2021	12 <sup>th</sup> April, 2021
				Transition Elements Peroxo complexes of Cr, Mn	19 <sup>th</sup> April, 2021	30 <sup>th</sup> April, 2021
2.	42177926 B.Sc. Physical Science, III Year,	Organometallics, Bioinorganic Chemistry, Biomolecules	Core	Organometallic Compounds Metal Carbonyls	06 <sup>th</sup> January, 2021	3 <sup>rd</sup> February, 2021

	VI Semester (Theory)	UV, IR Spectroscopy				
				Organometallic Compounds $\pi$ -acceptor behavior of CO, synergistic effect, Use of IR data to explain extent of back bonding	10 <sup>th</sup> February,2021	17 <sup>th</sup> March,2021
				Organometallic Compounds Zeise's Salt, Metal Alkyls and Ferrocene	31 <sup>st</sup> March,2021	28 <sup>th</sup> April,2021
3.	32171601 B.Sc. (H) Chemistry , III Year, VI Semester (Practical)	Inorganic Chemistry-IV		Qualitative semi-micro analysis of mixture	6 <sup>th</sup> January,2021	7 <sup>th</sup> April,2021
				Chromatography	14th April,2021	28th April,2021
4.	42174404 B.Sc. Physical Science, II Year, IV Semester (Practical)	Chemistry of s and p block elements, State of matter and Chemical Kinetics		Qualitative semi-micro analysis of mixture Inorganic Chemistry	8 <sup>th</sup> January,2021	12 <sup>th</sup> March,2021
				Physical Chemistry Practicals Viscosity, Surface Tension, and Chemical Kinetics	19 <sup>th</sup> March,2021	23rd April,2021
5.	42174404 B.Sc. Physical Science, II Year, IV Semester (Practical)	Chemistry of s and p block elements, State of matter and Chemical Kinetics		Qualitative semi-micro analysis of mixture Inorganic Chemistry	5 <sup>th</sup> January,2021	9th March,2021
				Physical Chemistry Practicals Viscosity, Surface Tension, and Chemical Kinetics	16 <sup>th</sup> March,2021	27 <sup>th</sup> April,2021

**F. Internal Assessment: House Exam (Test/Presentation etc.) & Assignment\***

<b>Course Code</b>	<b>Course Name</b>	<b>Unique Paper Code</b>	<b>Topic Name</b>	<b>Day and Date</b>	<b>Date/s of Exhibiting the Assessment Sheet to students, Discussing the marks, Returning/Retaining</b>
<b>Core</b>	B.Sc. Analytical Chemistry	42177926	Organometallic Compounds Assignment	22 <sup>nd</sup> March,2021 Monday	31 <sup>st</sup> March,2020 Monday
			Organometallic Compounds Test	10 <sup>th</sup> April,2021	12 <sup>th</sup> April,2021
<b>Core</b>	B.Sc. Physical Science	42177926	Organometallic Compounds Assignment	17 <sup>th</sup> March,2021	31 <sup>th</sup> March,2021
			Organometallic Compounds Test	7 <sup>th</sup> April,2021	14 <sup>th</sup> April,2021
<b>Core</b>	B.Sc. (H) Chemistry	32171401	Coordination Chemistry Assignment	18 <sup>th</sup> March,2021	1 <sup>st</sup> April,2021
			Coordination Chemistry Test	8 <sup>th</sup> April,2021	15 <sup>th</sup> April,2021

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