

I – Academic Planner

A. Teaching Plan (Year : 2021-2022 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)	27 th November,2021	18 th December,2021
				Chemical Bonding (Covalent Bond)	18 th December,2021	29 th January,2022
				Chemical Bonding (Metallic Bond)	29 th January,2022	12 th February, 2022
				Chemical Bonding (Weak Chemical Forces)	19 th February,2022	5 th March,2021
2.	42171103 B.Sc. Analytical Chemistry, I Year, I Semester (Theory)	Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons	Core	Atomic Structure	23 rd November,2021	18 th January,2022
				Periodicity of Elements	25 th January,2022	1 st March,2022
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	26 th November,2021	3 rd December,2021

				Acid Base Titrations	10 th December,2021	7 th January,2022
				Oxidation-Reduction Titrations	14 th January,2022	25 th February,2022

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	26 th February,2022	5 th March,2022
			Chemical Bonding Test	19 th February,2022	26 th February,2022
Core	Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons	42171103	Atomic Structure and Periodicity of Elements Assignment	15 th February,2022	22 nd February,2022
			Atomic Structure and Periodicity of Elements Test	8 th February,2022	15 th February,2022

***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 : 2022 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	3rd January,2022	17th January,2022
				Organometallic Compounds Metal Carbonyls	24 th January, 2022	7th February, 2022
				Organometallic Compounds π-acceptor behavior of CO, synergistic effect, Use of IR data to explain extent of back bonding	7 th February,2022	21st February,20 22
				Organometallic Compounds Zeise's Salt, Metal Alkyls and Ferrocene	28 th February,2022	28 th March,2022
				Bio-inorganic Chemistry	4 th April,2022	11 th April,2022
				Transition Elements Peroxo complexes of Cr, Mn	18 th April,2022	25 th April,2022
2.	42177926 B.Sc. Physical Science, III Year,	Organometallics, Bioinorganic Chemistry, Biomolecules	Core	Organometallic Compounds Metal Carbonyls	5 th January,2022	2 nd February,2022

	VI Semester (Theory)	UV, IR Spectroscopy				
				Organometallic Compounds π -acceptor behavior of CO, synergistic effect, Use of IR data to explain extent of back bonding	9 th February,2022	16 th March,2022
				Organometallic Compounds Zeise's Salt, Metal Alkyls and Ferrocene	23 rd March,2022	27 th April,2022
3.	32171401 B.Sc. (H) Chemistry II Year, IV Semester (Theory)	Inorganic Chemistry-III	Core	Coordination Chemistry	6 th January,2022	24 th March,2022
				Transition Elements	24 th March,2022	28 th April,2022
4.	32171601 B.Sc. (H) Chemistry , III Year, VI Semester (Practical)	Inorganic Chemistry-IV		Qualitative semi-micro analysis of mixture	6 th January,2022	6 th April,2022
				Chromatography	13th April,2022	27th April,2022
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	7 th January,2022	11 th March,2022
				Physical Chemistry Practicals Viscosity, Surface Tension, and Chemical Kinetics	18 th March,2022	22 nd April,2022

6.	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	4th January,2022	8th March,2022
				Physical Chemistry Practicals Viscosity, Surface Tension, and Chemical Kinetics	15 th March,2022	26 th April,2022

F. 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	B.Sc. Analytical Chemistry	42177926	Organometallic Compounds Assignment	21 st March,2022	28 th March,2022
			Organometallic Compounds Test	4 th April,2022	11 th April,2022
Core	B.Sc. Physical Science	42177926	Organometallic Compounds Assignment	23 rd March,2022	30 th March,2022
			Organometallic Compounds Test	6 th April,2022	13 th April,2022
Core	B.Sc. (H) Chemistry	32171401	Coordination Chemistry Assignment	24 th March,2022	31 st March,2022
			Coordination Chemistry Test	7 th April,2022	14 th April,2022

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