

I – Academic Planner

Teacher's Name -**Dr. Kalpana Mehrotra** Department - Chemistry

A. Teaching Plan (Year : 2020- 2021, Semester:Odd)

S. No.	UPC	Paper Name	Core/AECC/GE/SEC	Topic/Unit	Start Date	EndDate
1	32171501	Organic Chemistry IV	CORE	1. Amino acids etc,Lipids	10 th August	6 th Oct
				2. E nzymes ,Concept of energy etc	7 th Oct6	4 th Nov
				3. Nucleic acids and Pharmaceutical compounds	6 th Nov	24 th Nov
2	32177908	Green Chemistry	CORE	Practical	Aug	Nov
3	32171501	Organic Chemistry	CORE	Practical	Aug	Nov
4	32171402	Organic Chemistry	CORE	Practical	Aug	Nov

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

Event Topic	NIL				
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
	B.Sc(Hons) Chemistry	32171501	Proteins ,Amino acids etc	3.rd Nov 2020	10 th Nov

*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
		NIL

E. College Functions

College Function	Function Date	Role to be played
	NIL	

[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 ()				

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

				16. Proposed Test		
2.		CHEMISTRY-DSE Green Chemistry	DSE	<p>CHEMISTRY PRACTICAL - DSE LAB: GREEN CHEMISTRY 60 Lectures</p> <ol style="list-style-type: none"> 1. Introduction to Green Chemistry 2. Limiting reagents 3. Extraction of D-limonene from orange peel using liquid CO₂ prepared from dry ice. 4. Biodiesel 5. Mechanochemical solvent free synthesis of azomethines 6. Use of enzymes as catalysts Benzoin condensation using Thiamine Hydrochloride as a catalyst 7. Photoreduction of benzophenone to benzopinacol in the presence of sunlight. 8. Aluminium complex 9. Solvent free, microwave assisted one pot synthesis of phthalocyanine complex of copper (II). 10. Practical file and other assignments 11. Meeting with Parents 12. Safer starting materials Preparation and characterization of nano particles of gold using tea leaves. 13. Avoiding waste Principle of atom economy. Use of molecular model kit to stimulate the reaction to investigate how the atom economy can illustrate Green Chemistry. 	<p>17/08/2020</p> <p>24/08/2020 31/08/2020</p> <p>07.09.2020</p> <p>14.09.2020</p> <p>21.09.2020</p> <p>28.09.2020</p> <p>05.10.2020</p> <p>12.10.2020</p> <p>19.10.2020</p> <p>26.10.2020</p> <p>2/11/2020</p> <p>9.11.2020</p>	

3a.		BSc Prog Life Sciences Sem III		<ol style="list-style-type: none"> 1. Classification, and general properties 2. Glucose and fructose (open chain and cyclic structure) 3. Determination of configuration of monosaccharide 4. Absolute configuration of glucose and fructose 5. Mutarotation 6. Ascending and descending in monosaccharides 7. Structure of disaccharides (sucrose, cellobiose, maltose, lactose) 8. Polysaccharides (starch and cellulose) excluding their structure elucidation. 	13/08/2020	01/10/2020
3b.		BSc Prog Life Sciences Sem III		<ol style="list-style-type: none"> 1. Zwitterion, isoelectric point and electrophoresis 2. Preparation of amino acids: <ol style="list-style-type: none"> a. Strecker synthesis b. Gabriel's phthalimide synthesis 3. Reactions of amino acids: <ol style="list-style-type: none"> a. ester of -COOH group b. acetylation of -NH₂ group c. complexation with Cu²⁺ ions d. ninhydrin test. 4. Overview of Primary, Secondary, Tertiary and Quaternary Structure of proteins 5. Determination of primary structure of peptides by degradation Edmann degradation (N- terminal) and C- terminal (thiohydantoin 6. With carboxypeptidase enzyme). 7. Synthesis of simple peptides (upto dipeptides) by N-protection (t-butyloxycarbonyl and phthaloyl) 8. C- activating groups 9. Merrifield solidphase synthesis. 	8/10/2020	19/10/2010
3c.		BSc Prog Life Sciences Sem III		Carboxylic Acids derivatives, Amines and derivatives	05/11/2010	26/11/2010
4.	32171302	Organic Chemistry II: Oxygen Containing Functional Groups	Core	<ol style="list-style-type: none"> 1. Organic Preparations: <ol style="list-style-type: none"> (a) Benzoylation of aniline (b) Acetylation of Aniline (c) Acetylation of Aniline (d) Hydrolysis of Ester (e) Hydrolysis of Amide (f) Partial reduction of <i>m</i>-dinitrobenzene 	26.08.2020 02.09.2020 09.09.2020 23.09.2020 30.09.2020 07.10.2020	

				(g) Semi carbazone Preparation (h) Preparation of <i>S</i> -Benzylthiuronium salt of water-soluble carboxylic acid (i) Preparation of <i>S</i> -Benzylthiuronium salt of water insoluble carboxylic acid 2. Functional group tests for alcohols, phenols, carbonyl and carboxylic acid group	21.10.2020 28.10.2020 04.11.2020 11.11.2020	
5.		GE sem III		Practicals	11 th Sep 2020	28 th Nov 2020
6.	-	BSc Prog Physical Sciences Sem I	Core	Organic Chemistry	18 th Nov 2020	March 2020

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

Event Topic		FDP on ICT Tools			
Type / Nature (FDP/Webinar/Workshop etc.)		FDP			
Organizing In-charge		Dr Anshu			
Details regarding invited Resource Person		24.07.2020 to 30.07.2020			
Nature of Participation (e.g. Invited Speaker, Participant etc.)		Participant			
Date/s	24.07.2020 to 30.07.2020	Timing/s	9am -5 pm	Mode	Online

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

Event Topic		Non -Invasive Cancer Diagnosis and Prognosis”			
Type / Nature (FDP/Webinar/Workshop etc.)		Webinar			
Organizing In-charge		Dr PreetiKarwal			
Details regarding invited Resource Person		-			
Nature of Participation (e.g. Invited Speaker, Participant etc.)		Participant			
Date/s	17.10.2020	Timing/s	5-7 pm	Mode	Online

B. 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
1.	BSc (H) Chem V Sem		Green Chemistry	Last week of Nov 2020	Next Week after the test
2.	BSc (P) LS		Carbohydrates, Proteins, Carboxylic acids, Amines	Last week of Nov 2020	Next Week after the test
3.	GE Sem III		Practicals	Last week of Nov 2020	Next Week after the test
4.	BSc (H) Chem III Sem		Practical	Last week of Nov 2020	Next Week after the test
5.	BSc (H) Chem V Sem Practical		Green Chemistry Practical	Last week of Nov 2020	Next Week after the test
6.	BSc Prog Physical Sciences Sem I		Organic Chemistry	First week of March 2021	Next Week after the test

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

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

Department/Society	Meeting Date	Purpose

D. College Functions

College Function	Function Date	Role to be played

[For Departments](#)

D. 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 ()				

E. Outstation Field Visit for Students

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

F. 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

A. Teaching Plan (Year : 2020- 2021, Semester:Odd)

Sr. No.	Semester odd/Class/Year/Semester/Theory	Period of Teaching	Topics
1	B.Sc Hons Chemistry/III/V	10th August 2020 to 30th November 2020	1.Introduction to Green Chemistry
			2.Principles of Green Chemistry and Designing a Chemical synthesis
			3.Examples of Green Synthesis/ Reactions and some real-world cases
			4.Future Trends in Green Chemistry
			5.Extraction of D-limonene from orange peel using liquid CO ₂ prepared from dry ice.
			6.Mechanochemical solvent free synthesis of azomethines
2.	B.Sc Hons Chemistry/III/V/Practical's	10th August 2020 to 30th November 2020	1.Preparation and characterization of nano particles.
			2. Preparation and characterization of biodiesel from vegetable oil/ waste cooking oil
			3. Avoiding waste by Principle of atom economy.
			4.Benzoin condensation using Thiamine Hydrochloride as a catalyst instead of cyanide.
3.	B.Sc Hons Chemistry/III/V/Practicals	10th August 2020 to 30th November 2020	1.Estimation of glycine by Sorenson's formalin method.
			2. Study of the titration curve of glycine.
			3. Estimation of proteins by Lowry's method.
			4. Study of the action of salivary amylase on starch at optimum conditions.
			5.Effect of temperature on the action of salivary amylase.
			6.Saponification value of an oil or a fat.
			7.Determination of Iodine number of an oil/ fat.
			8.Isolation and characterization of DNA from onion/ cauliflower/peas.
4.	B.Sc Physical Sciences/II/III/Practical's	10th August 2020 to 30th November 2020	1.organic chemistry Practical's: Systematic qualitative analysis of organic compounds possessing monofunctional groups
			2. Determination of concentration of glycine solution by formylation method.
			3. Actions of salivary amylase on starch.
			4.Differentiation between a reducing and non-reducing
5.	B.Sc Life Science	18th November 2020 to February 2021	1.Alkanes
			2.Alkenes
			3.Alkynes.

Teacher's Name -**Dr. KiranArora** Department - Chemistry

A. Teaching Plan (Year : 2020- 2021, Semester:Odd)

S. No	UPC	Paper Name	Core/AECC /GE/SEC	Topic/Unit	Start Date	EndDate
1.	3217150 1	Organic Chemistry IV:	Core	Amino acid and proteins	10/08/2020	23/09/2020
				Enzyme	25/09/20	7/10/20
				Concept of Energy in Biosystems	9/10/20	23/10/20
				Pharmaceutical Compounds: Structure and Importance	Oct 2020	Nov 2020
				Lipids	Nov 2020	Nov 2020
				Problems based on the topics covered	Nov2020	Nov2020
2.	4217110 3	Atomic structure, bonding general organic chemistry and aliphatic hydrocarbon	Core	Fundamentals of organic chemistry	18 th Nov. 2020	31 st Dec 2020
				Stereochemistry	Jan 2021	Feb. 2021
				problems based the topics covered	March 2021	Till the end of semester
3.	3217150 1	Organic Chemistry IV: Practicals	Core	As mentioned in the syllabus	10/08/2020	Till the end of semester
4.	3217130 2	Organic Chemistry II: Practicals	Core	As mentioned in the syllabus	10/08/2020	Till the end of semester
5.	3217391 0	Chemistry of cosmetics Practicals	Core	As mentioned in the syllabus	10/08/2020	Till the end of semester

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

Event Topic		Development of Teacher's e-Kit and MOOCs in Four Quadrant Format of e-Content			
Type / Nature (FDP/Webinar/Workshop etc.)		FDP			
Organizing In-charge		GAD_TLC, SGTB khalsa college University of Delhi			
Details regarding invited Resource Person		---			
Nature of Participation (e.g. Invited Speaker, Participant etc.)		Participant			
Date/s	12-20 September 2020	Timing/s	3-6 PM	Mode	Online

Event Topic		ICT: Instructional Design, Development and Learning Analytics			
Type / Nature (FDP/Webinar/Workshop etc.)		FDP			
Organizing In-charge		Kirori Mal college University of Delhi			
Details regarding invited Resource Person		---			
Nature of Participation (e.g. Invited Speaker, Participant etc.)		Participant			
Date/s	Jul 24, 2020 to Jul 30, 2020	Timing/s	9:30am to 5:30pm	Mode	Online

H. 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
	B. Sc (H) chemistry	3217501	Proteins, Enzymes and metabolism of carbohydrate	October 2020 , week 4	November,2020/
			Assignment on Lipids	October 2020	Nov 2020/

			Quizzes/ crossword on Proteins and enzymes	August and September	Given on the classroom and Discussed in the class
	B. Sc (P) life sciences	42171103	Stereochemistry and fundamental of organic chemistry	October 2020 , week 4	November,2020/

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I. Organization of Department/College Society Meetings by Staff Advisor/Convener --Not applicable

Department/Society	Meeting Date	Purpose
Time table meetings	5/8/20	For strategic planning about time table amidst covid -19 era. (online meeting)
	7/8/20	Discussion on Time tables (online meeting)
	8/8/20	For finalizing and submitting the time table to the teacher in charge(online meeting)

J. College Functions Nil

College Function	Function Date	Role to be played

For Departments

G. 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 ()				

H. Outstation Field Visit for Students

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

I. 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

Teacher's Name: **Dr. Priyanka Jhajharia** Department - Chemistry

A. Teaching Plan (Year : 2020-21;Semester: Odd)

S. No.	UPC	Paper Name	Core/AECC/GE/SEC	Topic/Unit	Start Date	End Date
1	42174304	B.Sc.(P) Analytical Chemistry, II year (Sem III) : Solutions, Phase Equilibrium, Conductance, Electrochemistry & Functional Group Organic Chemistry-II	CORE	(a) Carboxylic Acids & their derivatives	10/08/2020	25/08/2020
				(b) Amines & Diazonium Salts	07/09/2020	22/09/2020
				(c) Amino Acids, Peptides, Proteins	28/09/2020	20/10/2020
				(d) Carbohydrates	26/10/2020	23/11/2020
2	42174304	B.Sc.(P) Physical Science, II year (Sem III) : Solutions, Phase Equilibrium, Conductance, Electrochemistry & Functional Group Organic Chemistry-II	CORE	(a) Carboxylic Acids & their derivatives	10/08/2020	25/08/2020
				(b) Amines & Diazonium Salts	07/09/2020	22/09/2020
				(c) Amino Acids, Peptides, Proteins	28/09/2020	20/10/2020
				(d) Carbohydrates	26/10/2020	23/11/2020
3	42171103	B.Sc.(P) Analytical Chemistry, I year (Sem I) : Fundamental of Organic Chemistry, Atomic Structure, Bonding, General	CORE	(a) Fundamental of Organic Chemistry	01/11/2020	28/02/2021

		Organic Chemistry & Aliphatic Hydrocarbons				
4	42171103	B.Sc.(P) Analytical Chemistry, I year (Sem I) (Practical) Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons	CORE	(a) Extra Element Detection (b) Titrations (c) Chromatography (d) Mock Test & Viva Preparation	04/11/2020 25/11/2020 23/12/2020 06/01/2021	18/11/2020 16/12/2020 30/12/2020 06/01/2021
5	42171103	B.Sc.(P) Life Science, I yr (Sem I) (Practical) Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons	CORE	(a) Extra Element Detection (b) Titrations (c) Chromatography (d) Mock Test & Viva Preparation	06/11/2020 27/11/2020 25/12/2020 08/01/2021	20/11/2020 18/12/2020 03/01/2021 08/01/2021
6		B.Sc.(H) Chemistry, III year (Sem V): Biomolecules	CORE	(a) Glycine Estimation (b) Saponification Value (c) Isolation of DNA using cauliflower (d) Calculation of Protein Content by Lawry's method (e) Action of Salivary amylase on Starch (f) Effect of Temp. on	18/08/2020 01/09/2020 08/09/2020 15/09/2020 22/10/2020	25/08/2020 01/09/2020 08/09/2020 15/09/2020 29/10/2020

				the action of salivary amylase	06/10/2020	06/10/2020
				(g) Study of Titration Curve of Glycine	13/10/2020	13/10/2020
				(h) Mock Test/ Viva Preparation	03/11/2020	03/11/2020

A. 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	

**B. Internal Assessment: House Exam (Test/Presentation etc.)&Assignment*
Odd Semester**

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
CBCS	B.Sc.(P) AC II year (Sem III)	42174304	(a) Carboxylic Acids & their derivatives	Assessment 20/10/2020 & Assignment	November 2020
			(b) Amines & Diazonium Salts	12/10/2020	November 2020

CBCS	B.Sc.(P) PS II year (Sem III)	42174304	(a) Carboxylic Acids & their derivatives (b) Amines & Diazonium Salts	Assessment 20/10/2020 & Assignment 12/10/2020	November 2020 November 2020
CBCS	B.Sc.(P) AC I year (Sem I)	42171103	(a) Spectroscopy (b) Fundamental of Organic Chemistry	Assessment 28/01/2021 & Assignment 21/01/2021	February 2021 February 2021

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

Department/Society	Meeting Date	Purpose

D. College Functions

College Function	Function Date	Role to be played

For Departments

J. 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 ()				

K. Outstation Field Visit for Students

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

L. 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	

Teacher's Name: **Dr. Sunil Kumar Singh** Department - Chemistry

A. Teaching Plan (Year : 2020-21; Semester: Odd)

S. No.	UPC	Paper Name	Core/AECC /GE/SEC	Topic/Unit	Start Date	EndDate
1	32171302	Organic Chemistry II: Oxygen Containing Functional Groups	Core	1. Chemistry of Halogenated Hydrocarbons 2. Alcohols, Phenols, Ethers and Epoxides 3. Carbonyl Compounds 4. Carboxylic Acids and their Derivatives	10.08.2020 19.09.2020 10.10.2020 06.11.2020	10.09.2020 09.10.2020 05.11.2020 28.11.2020
2	32171302	Organic Chemistry II: Oxygen Containing Functional Groups Practical	Core	1. Functional group tests for alcohols, phenols, carbonyl and carboxylic acid group 2. Organic preparations	11.08.2020 15.09.2020	08.09.2020 24.11.2020
3	32171501	Organic Chemistry IV: Biomolecules Practical	Core	(a) Glycine Estimation (b) Saponification Value (c) Isolation of DNA using cauliflower (d) Calculation of Protein Content by Lawry's method (e) Action of Salivary amylase on Starch (f) Effect of Temp. on the action of salivary amylase (g) Study of Titration Curve of Glycine (h) Mock Test/Viva Preparation	18/08/2020 01/09/2020 08/09/2020 15/09/2020 22/10/2020 06/10/2020 13/10/2020 03/11/2020	25/08/2020 01/09/2020 08/09/2020 15/09/2020 29/10/2020 06/10/2020 13/10/2020 03/11/2020

4	32177908	DSE-6: Green Method in Chemistry Practical	DSE	1.Mechanochemical solvent free synthesis of azomethine 2.Preparation and characterization of biodiesel from vegetable oil 3. Benzoin condensation using green methods 4. Photoreduction of benzophenone 5.Extraction of D-limonene from orange peel using liquid CO2 prepared from dry ice 6. Viva-voce Preparation	13.08.2020 27.08.2020 10.09.2020 24.09.2020 15.10.2020 05.11.2020	20.08.2020 03.09.2020 17.09.2020 08.10.2020 29.10.2020 12.11.2020
5.	42171103	Chemistry-I: Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons	Core	-	-	-

K. 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		

L. 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

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

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

Department/Society	Meeting Date	Purpose

N. College Functions

College Function	Function Date	Role to be played

For Departments

M. 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 ()				

N. Outstation Field Visit for Students

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

O. 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	
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Teacher's Name: **Dr. Shashwat Malhotra** Department - Chemistry

A. Teaching Plan (Year : 2020-21;Semester: Odd)

S. No.	UPC	Paper Name	Core/AECC/GE/SEC	Topic/Unit	Start Date	EndDate
1.	32177908	BSc (H) Chemistry III yr(Theory) Paper Name: Green chemistry	DSE	1. Introduction to Green Chemistry	12/08/2020	03/09/2020
				2. Principles of Green Chemistry and designing a Chemical synthesis	09/09/2020	14/10/2020
				3. Future Trends in Green Chemistry	21/10/2020	28/11/2020
2.	32173910	BSc (H) Chemistry II yr (Theory) Paper Name: Chemistry of Cosmetics and perfumes (SEC)	SEC	A general study including preparation and uses of the following:		
				1. Hair dye, hair spray, shampoo, suntan lotions, face powder, lipsticks, talcum powder, nail enamel,	11/08/2020	20/10/2020
				2. Creams (cold, vanishing and shaving creams), antiperspirants and artificial flavours.	27/10/2020	24/11/2020

3.	32177908	BSc (H) Chemistry III yr (Practical) Paper Name: Green chemistry	Core	<p>1. Mechanochemical solvent free synthesis of azomethine</p> <p>2. Preparation and characterization of biodiesel from vegetable oil</p> <p>3. Benzoin condensation using green methods</p> <p>4. Photoreduction of benzophenone</p> <p>5. Extraction of D-limonene from orange peel using liquid CO₂ prepared from dry ice</p> <p>6. Preparation and characterization of nano particles of gold using tea leaves.</p> <p>7. Solvent free, microwave assisted one pot synthesis of phthalocyanine complex of copper (II).</p> <p>8. Viva-voce Preparation</p>	<p>12/08/2020</p> <p>26/08/2020</p> <p>09.09. 2020</p> <p>23.09. 2020</p> <p>07.10. 2020</p> <p>21.10. 2020</p> <p>04.11. 2020</p> <p>18.11. 2020</p>	<p>19/08/2020</p> <p>02/09/2020</p> <p>16.09. 2020</p> <p>30.09. 2020</p> <p>14.10. 2020</p> <p>28.10. 2020</p> <p>11.11. 2020</p> <p>25.11. 2020</p>
4.	32171302	BSc (H) Chemistry II yr (Practical) Paper Name: Oxygen Containing Functional Groups	Core	<p>1. Functional group tests for alcohols, phenols, carbonyl and carboxylic acid group</p> <p>2. Organic preparations</p>	<p>11.08.2020</p> <p>15.09.2020</p>	<p>08.09.2020</p> <p>24.11.2020</p>
5.	42171103	BSc (Prog.) Physical Sciences I yr (Practical) Paper Name: Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons	Core	<p>Section A: Inorganic Chemistry - Volumetric Analysis</p> <p>1. Estimation of oxalic acid by titrating it with KMnO₄.</p> <p>2. Estimation of Mohr's salt by titrating it with KMnO₄.</p> <p>3. Estimation of water of crystallization in Mohr's salt by titrating with KMnO₄.</p> <p>4. Estimation of Fe (II) ions by titrating it with K₂Cr₂O₇ using internal indicator.</p> <p>5. Estimation of Cu (II) ions iodometrically using Na₂S₂O₃.</p> <p>Section B: Organic Chemistry</p> <p>1. Purification of organic compound by crystallisation (from water and alcohol) and distillation.</p> <p>2. Criteria of purity: Determination of M.P./B.P.</p> <p>3. Separation of mixtures by chromatography: Identify and separate the components of a given mixture of 2 amino acids (glycine, aspartic acid, glutamic acid,</p>	<p>14/08/2020</p> <p>23/08/2020</p> <p>11.09. 2020</p> <p>25.09. 2020</p> <p>09.10. 2020</p> <p>23.10. 2020</p> <p>06.11. 2020</p> <p>20.11. 2020</p>	<p>21/08/2020</p> <p>04/09/2020</p> <p>18.09. 2020</p> <p>02.10. 2020</p> <p>16.10. 2020</p> <p>30.10. 2020</p> <p>13.11. 2020</p> <p>27.11. 2020</p>

				tyrosine or any other amino acid) by radial/ascending paper chromatography.		
6.		BSc (Prog.) Physical Sciences IIIrd yr (Practical) Paper Name: Basic Analytical Chemistry	SEC	1. Paper chromatographic separation of mixture of metal ion (Ni ²⁺ and Co ²⁺) 2. Determination of dissolved oxygen (DO) of a water sample 3. Determination of pH, acidity and alkalinity of a water sample 4. Estimation of Calcium and Magnesium ions as Calcium carbonate by complexometric titration. 5. Determination of pH of soil samples. 6. Spectrophotometric identification and determination of caffeine and benzoic acid in soft drink	15/08/2020	29/08/2020
					05/09/2020	12/09/2020
					19.09. 2020	26.09. 2020
					03.10. 2020	17.10. 2020
					24.10. 2020	07.11. 2020
					14.11. 2020	28.11. 2020

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

Event Topic	ICT: Instructional Design, Development and Learning Analytics				
Type / Nature (FDP/Webinar/Workshop etc.)	FDP				
Organizing In-charge	Kirori Mal college University of Delhi				
Details regarding invited Resource Person	---				
Nature of Participation (e.g. Invited Speaker, Participant etc.)	Participant				
Date/s	Jul 24, 2020 to Jul 30, 2020	Timing/s	9:30am to 5:30pm	Mode	Online

P. 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
CBCS	BSc (H) Chemistry III yr	32177908	Introduction to Green Chemistry Principles of Green Chemistry and Designing a Chemical synthesis	Thursday, 19/11/2020	26/11/2020

			Examples of Green Synthesis/ Reactions and some real world cases		
CBCS	BSc (H) Chemistry II yr	32173910	Hair dye, hair spray, shampoo, suntan lotions, face powder, lipsticks, talcum powder, nail enamel.	Monday, 17/11/2020	24/11/2020

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

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

Department/Society	Meeting Date	Purpose

R. College Functions

College Function	Function Date	Role to be played
1. Standing committee of college (Admission committee)	12.10.2020	Taking care of the 1 st yr admissions for the students.

For Departments

P. 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 ()				

Q. Outstation Field Visit for Students

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

R. 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	

Teacher's Name: **Dr. Pratik Yadav** Department - Chemistry

A. Teaching Plan (Year: 2020-21;Semester: Odd)

S. No.	UPC	Paper Name	Core/AECC/GE/SEC	Topic/Unit	Start Date	EndDate
1.	42177915 _OC	BSc (P) Analytical Chemistry 3 rd Year(Theory) Paper Name: Analytical Biochemistry	DSE	1. Isolation and characterization of polysaccharides 2. Proteins-Structure, classification, isolation, characterization and functions of steroid hormones. 3. Lipoproteins 4. Enzymes	13/08/2020 10/09/2020 20/10/2019 29/10/2020	10/09/2020 20/10/2019 29/10/2020 05/11/2020

				5. Lipids	05/11/2020	26/11/2020
2.	42174301	BSc (P) Analytical Chemistry 2 nd Year (Theory) Paper Name: Quantitative Methods of Analysis	Core	<p>1. Gravimetric Analysis:</p> <p>A. Precipitation methods</p> <p>B. Volatilization methods.</p> <p>C. Properties of precipitates and precipitating reagents</p> <p>D. Drying and ignition of precipitates</p> <p>E. Practical gravimetric procedures.</p> <p>2. Volumetric Analysis</p> <p>3. Centrifugation Methods</p>	11/08/2020	16/09/2020
					16/09/2020	28/10/2020
					30/10/2020	27/11/2020
3.	32173902	BSc (H) Chemistry 2 nd (Practical) Paper Name: Basic Analytical Chemistry	Core	<p>1. Determination of pH of soil samples.</p> <p>2. Estimation of Calcium and Magnesium ions as Calcium carbonate by complexometric titration.</p> <p>3. Determination of pH, acidity and alkalinity of a water sample.</p> <p>4. Determination of dissolved oxygen (DO) of a water sample.</p> <p>5. Paper chromatographic separation of mixture of metal ion (Ni²⁺ and Co²⁺).</p> <p>6. Determination of ion exchange capacity of anion/cation exchange resin (using batch procedure if use of column is not feasible).</p>	22/08/2020	29/08/2020
					29/08/2020	05/09/2020
					12/09/2020	19/09/2020
					19/09/2020	10/10/2020
					10/10/2020	17/10/2020
					24/10/2020	28/11/2020
4.	42177915 _OC	BSc (P) Analytical Chemistry 3 rd Year (Practical) Paper Name: Analytical Biochemistry	DSE	<p>1. Carbohydrate- qualitative and quantitative.</p> <p>2. Proteins-qualitative tests</p> <p>3. Lipids – qualitative Tests.</p>	13/08/2020	20/08/2020
					20/08/2020	27/08/2020
					27/08/2020	03/09/2020

				<ol style="list-style-type: none"> 4. Determination of the iodine number of oil. 5. Determination of the saponification number of oil. 6. Determination of acid value of fats and oils. 7. Determination of cholesterol using Liebermann- Burchard reaction. 8. Isolation and characterization of DNA from Onion/cauliflower. 9. Determination of amount of protein using Lowry's method/ Biuret method. 	<p>03/09/2020</p> <p>10/09/2020</p> <p>17/09/2020</p> <p>01/10/2020</p> <p>08/10/2020</p> <p>29/10/2020</p>	<p>10/09/2020</p> <p>17/09/2020</p> <p>24/09/2020</p> <p>08/10/2020</p> <p>22/10/2020</p> <p>26/11/2020</p>
5.	42174301	BSc (P) Analytical Chemistry 2 nd Year (Practical) Paper Name:Quantitative Methods of Analysis	Core	<ol style="list-style-type: none"> 1. Determination of the pKa of a weak acid by potentiometric/pH titration. 2. Determination of the strength of the given ferric chloride solution by titrating it against EDTA 3. Determination of the capacity of an anionic exchange resin. 4. Homogeneous precipitation of nickel as its dimethylglyoxime. 5. Draw the absorbance of bromophenol blue using a colorimeter. 6. Verification of Beer Lambert's law. 7. Determination of the formula of the chelate formed between iron (III) and salicylic acid. 	<p>12/08/2020</p> <p>26/08/2020</p> <p>02/09/2020</p> <p>16/09/2020</p> <p>23/09/2020</p> <p>14/10/2020</p>	<p>19/08/2020</p> <p>02/09/2020</p> <p>16/09/2020</p> <p>23/09/2020</p> <p>07/10/2020</p> <p>25/11/2020</p>

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

Event Topic	NA
Type / Nature (FDP/Webinar/Workshop etc.)	NA
Organizing In-charge	NA
Details regarding invited Resource Person	NA

Nature of Participation (e.g. Invited Speaker, Participant etc.)

NA

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
CBCS	BSc (P) Analytical Chemistry 3 rd Year(Theory) Paper Name: Analytical Biochemistry	42177915_OC	Carbohydrates and Proteins	Thursday, 19/10/2020	26/10/2020
CBCS	BSc (P) Analytical Chemistry 2 nd Year (Theory) Paper Name:Quantitative Methods of Analysis	42174301	Gravimetric Analysis and Volumetric Analysis	Wednesday 18/10/2020	25/10/2020

***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
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For Departments

S. 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 ()				

T. Outstation Field Visit for Students

Project Name / Paper Name

Destination

Departure Month

Faculty-in-Charge

Travel Mode

Return

Number of Students going

U. 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

Sr. No.	Semester odd/Class/Year/Semester/Theory	Period of Teaching	Topics
1	B.Sc Hons Chemistry/III/V	10th August 2020 to 30th November 2020	1.Introduction to Green Chemistry
			2.Principles of Green Chemistry and Designing a Chemical synthesis
			3.Examples of Green Synthesis/ Reactions and some real-world cases
			4.Future Trends in Green Chemistry
			5.Extraction of D-limonene from orange peel using liquid CO ₂ prepared from dry ice.
			6.Mechanochemical solvent free synthesis of azomethines
2.	B.Sc Hons Chemistry/III/V/Practical's	10th August 2020 to 30th November 2020	1.Preparation and characterization of nano particles. 2. Preparation and characterization of biodiesel from vegetable oil/ waste cooking oil 3. Avoiding waste by Principle of atom economy.

			4. Benzoin condensation using Thiamine Hydrochloride as a catalyst instead of cyanide.
3.	B.Sc Hons Chemistry/III/V/Practicals	10th August 2020 to 30th November 2020	1. Estimation of glycine by Sorenson's formalin method. 2. Study of the titration curve of glycine. 3. Estimation of proteins by Lowry's method. 4. Study of the action of salivary amylase on starch at optimum conditions. 5. Effect of temperature on the action of salivary amylase. 6. Saponification value of an oil or a fat. 7. Determination of Iodine number of an oil/ fat. 8. Isolation and characterization of DNA from onion/ cauliflower/peas.
4.	B.Sc Physical Sciences/II/III/Practical's	10th August 2020 to 30th November 2020	1. organic chemistry Practical's: Systematic qualitative analysis of organic compounds possessing monofunctional groups 2. Determination of concentration of glycine solution by formylation method. 3. Actions of salivary amylase on starch. 4. Differentiation between a reducing and non-reducing
5.	B.Sc Life Science	18th November 2020 to February 2021	1. Alkanes 2. Alkenes 3. Alkynes.

I – Academic Planner (Year: 2020-21)

Teacher's Name: Dr. Pramod Kumar Singh

Semester: Odd

Department: Chemistry

S. No.	UPC	Paper Name	Core/AECC/GE/SEC	Topic/Unit	Start Date	End Date
1	32177901	Novel Inorganic Chemistry	DSE -1 Core(Theory)	All Units	10.08.2020	25.11.2020
2	32177901	Novel Inorganic Chemistry	DSE-1 Core (Practical)	All units	11.08.2020	24.11.2020

3	32171301	Chemistry C-V Lab.,Inorganic Chemistry	Core(Practical)	All units	11.08.2020	24.11.2020
4	32171101	Chemistry C-I Lab., Inorganic Chemistry	Core(Practical)	All units	19.11.2020	-

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	

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
CBCS/Core	B.Sc.(H Chemistry Part-III	32177901	Novel Inorganic Chemistry (DSE 1)	09.11.2020	23.11.2020

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

Organization of Department/College Society Meetings by Staff Advisor/Convener

Department/Society	Meeting Date	Purpose

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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 ()				

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	

Teacher's Name: Dr. Akhilesh Bharti

Semester: Odd

Department: Chemistry

S. No.	UPC	Paper Name	Core/AECC/GE/SEC	Topic/Unit	Start Date	End Date
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1	32171101	Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons	Core(Theory)	All Units	24.11.2020	24.04.2021
2	32171101	Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons	Core (Practical)	All units	20.11.2020	23.04.2021
3	32171301	Inorganic Chemistry II	Core (Practical)	All units	19.08.2020	25.11.2020
4	32177901	Novel Inorganic Chemistry	DSE 1 (Theory)	All units	13.08.2020	26.11.2020
5	32177901	Novel Inorganic Chemistry	DSE 1 (Practical)	All units	13.08.2020	26.11.2020

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		

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
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CBCS/Core	B.Sc.(H Chemistry Part-III	32177901	Novel Inorganic Chemistry (DSE 1)	19.11.2020	26.11.2020
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***Marks of the Internal Assessment to be submitted to the College 15 days before the last working day of every semester**

Organization of Department/College Society Meetings by Staff Advisor/Convener

Department/Society	Meeting Date	Purpose

College Functions

College Function	Function Date	Role to be played

For Departments

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 ()				

Outstation Field Visit for Students

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

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

Teacher's Name: Dr. Sarika Tejasvi

Semester: Odd

Department: Chemistry

S. No.	UPC	Paper Name	Core/AECC/GE/S EC	Topic/Unit	Start Date	End Date
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1.	42171103	Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons	core	Atomic Structure, Bonding,	21 st November 2020	4 th March 2021
2.	42171103	Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons chemistry practical	core	Titrimetric analysis, practical	24 November 2020	5 th March 2021
3.	32171101	Inorganic Chemistry-I (Practical)	core	Inorganic Chemistry-I Practical	21 November 2020	5 th March 2021
4.		Inorganic Chemistry-II (Practical)	core	Inorganic Chemistry-II Practical	12 th October 2020	Last week of March
5.		Chemistry of s & p block elements and Metallurgy	core	Chemistry of s & p block elements and Metallurgy	20 October 2020	Last week of March

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

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

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
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Core	B.Sc. (P) I Year	42171103	Atomic Structure, Bonding,	Last week of Feb 2021	First week of March 2021
Core	B.Sc. Hons II Year	32171401	Metallurgy and Chemistry of s & p block elements	Last week of October 2020	First week of November 2020

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

Organization of Department/College Society Meetings by Staff Advisor/Convener – As per records

Department/Society	Meeting Date	Purpose

College Functions –

College Function	Function Date	Role to be played

For Departments

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	August 2019	10:00AM	Kirori Mal College	-
Farewell	-			
Department Society functions	-			
Department Seminars	-			
Any Other ()	-			

Outstation Field Visit for Students NA

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

FDP/Seminar/Workshops/Lectures to be attended and/or to be conducted by Department NA

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

Teacher's Name: Dr. Hemlata Vashisht

Semester: Odd

Department: Chemistry

S. No.	UPC	Paper Name	Core/AECC/ GE/SEC	Topic/Unit	Start Date	End Date
1.	32171101	Inorganic Chemistry-I	Core	Chemical Bonding (Ionic Bond)	21 st November,2020	19 th December,2020
				Chemical Bonding (Covalent Bond)	26 th December,2020	23 rd January,2021
				Chemical Bonding (Metallic Bond)	30 th January,2021	13 th February, 2021
				Chemical Bonding (Weak Chemical Forces)	20 th February,2021	6 th March,2021
2.	32171401	Inorganic Chemistry-II	Core	Chemistry of s block elements	13 th August,2020	15 th October,2019
				Chemistry of p Block elements	22 nd October,2020	12 th November,2020
				General Principles of Metallurgy: Ellingham Diagram	19 th November, 2020	26 th November,2020
3.	42171103	Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons	Core	Atomic Structure	24 th November,2020	19 th January,2021
				Periodicity of Elements	26 th January,2021	2 nd March,2021
4.	B.Sc. (H) Chemistry I Year, I Semester 32171101	Inorganic Chemistry-I (Practical)	Core	Titrimetric analysis Calibration and use of apparatus Preparation of solutions of titrant of different molarity/normality	20 th November,2020	4 th December,2020
				Acid Base Titrations	11 th December,2020	8 th January,2021
				Oxidation-Reduction Titrations	15 th January,2021	26 th February,2021
5.	32171401	Inorganic Chemistry-II (Practical)		Complexometric Titrations	11 th August,2020	1 st September,2020

				Inorganic Preparations	8 th September,2020	22 nd September,2020
				Chromatography	29 th September,2020	6 th October,2020
				Iodo-Iodimetric Titrations	13 th October,2020	17 th November,2020
6.		Novel Inorganic Solids		Silver nanoparticles	11 th August,2020	25 th August,2020
				Polyaniline	1 st September,2020	8 th September,2020
				Metal Sulphides nanoparticles	15 th September,2020	22 nd September,2020
				Intercalation of hydrogen in tungsten trioxide	29 th September, 2020	6 th October,2020
				Inorganic Pigments	13 th October,2020	20 th October,2020
				Zinc oxide and copper doped zinc oxide	27 th October,2020	10 th November,2020
				Zeolites	17 th November,2020	24 th November,2020

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	

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 th February,2021	6 th March,2021
			Chemical Bonding Test	13 th February,2021	20 th February,2021
Core	Inorganic Chemistry-II	32171401	Chemistry of s block elements Assignment	12 th November,2020	19 th November,2020
			Chemistry of s block elements Test	19 th November,2020	26 th November,2020
Core	Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons	42171103	Atomic Structure and Periodicity of Elements Assignment	16 th February,2021	23 rd February,2021
			Atomic Structure and Periodicity of Elements Test	9 th February,2021	16 th February,2021

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

Organization of Department/College Society Meetings by Staff Advisor/Convener

Department/Society	Meeting Date	Purpose
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College Functions

College Function	Function Date	Role to be played

For Departments

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 ()				

Outstation Field Visit for Students

Project Name / Paper Name			
Destination		Travel Mode	
Departure Month		Return	

Faculty-in-Charge		Number of Students going	
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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

Teacher's Name: Dr. Bhagat Singh Bhakuni

Semester: Odd

Department: Chemistry

S. No.	UPC	Paper Name	Core/AECC/GE/S EC	Topic/Unit	Start Date	End Date
1.	42177925	Chemistry of d-Block elements, Quantum chemistry and spectroscopy	Core	Chemistry of d-Block elements	10.08.2020	28.11.2020
2.	42173906	Forensic Science	SEC	Forensic chemistry and biochemistry Finger Printing and Documentation	13.08.2020	26.11.2020
3.	42171103	Atomic Structure bonding General Organic Chemistry	Core	Atomic Structure	TBD	

4.	42177925	Chemistry of d-Block elements, Quantum chemistry and spectroscopy	Core	Chemistry of d-Block elements (Practical)	11.08.2020	28.11.2020
5.	42171103	Atomic Structure bonding General Organic Chemistry	Core	Atomic Structure (Practical)	TBD	

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

Event Topic	Chemistry in Medicine and Materials Science
Type / Nature (FDP/Webinar/Workshop etc.)	FDP
Organizing In-charge	National Institute of Technology, Andhra Pradesh
Details regarding invited Resource Person	<ol style="list-style-type: none"> 1. Prof. Chebrolu Pulla Rao Head, Department of Chemistry, IIT Tirupati 2. Dr. Dinesh P. Sankar Reddy Associate Professor Head, Dept. of Chemical Engineering NIT Andhra Pradesh 3. Prof. Faiz Ahmed Khan Department of Chemistry, IIT Hyderabad 4. Dr. V. Venkatesh Assistant Professor Department of Chemistry, IIT Roorkee 5. Prof. Prasad V. Bharatam Department of Medicinal Chemistry NIPER Mohali 6. Dr. H. M. Surendra Assistant Professor, Department of Chemistry (SoS) NIT Andhra Pradesh 7. Dr. Srinivas Dharavath Assistant Professor Department of Chemistry, IIT Kanpur 8. Dr. Raghunandan Assistant Professor Department of Metallurgical and Materials Engineering

		NIT Andhra Pradesh 9. Prof. Chilla Malla Reddy Department of Chemical Sciences, IISER Kolkata 10. Dr. Ishita Neogi Scientist NIIST Thiruvananthapuram			
Nature of Participation (e.g. Invited Speaker, Participant etc.)		Professor/Scientist			
Date/s	21 SEP 2020 – 25 SEP 2020	Timing/s	10:30 – 1:10	Mode	Online

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
1.	Chemistry of d-Block elements, Quantum chemistry and spectroscopy	42177925	Chemistry of d-Block elements	28.10. 2020	03.11.2020
2.	Forensic Science	42173906	Forensic chemistry and biochemistry Finger Printing and Documentation	31.10.2020	06.11.2020

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

Organization of Department/College Society Meetings by Staff Advisor/Convener

Department/Society	Meeting Date	Purpose

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College Functions

College Function	Function Date	Role to be played

For Departments

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 ()				

Outstation Field Visit for Students

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

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	

Teacher's Name: Dr. Arun Kant

Semester: Odd

Department: Chemistry

S. No.	UPC	Paper Name	Core/AECC/GE/SEC	Topic/Unit	Start Date	End Date
1	32195901	Atomic Structure, Bonding, General Organic (Chemistry GE I)	Theory	Section A	18-11-2020	End of Sem
2	32171301	CHEMISTRY - CV: INORGANIC CHEMISTRY – II, s- and p-Block Elements	Core (Theory)	All	10-08-2020	25-11-2020
3	42171103	Atomic Structure, Bonding, General Organic Chemistry & Aliphatic hydrocarbon	Theory	Section A	18-11-2020	End of Sem
4	42171103	Atomic Structure, Bonding, General Organic	Practical	All	20-11-2020	End of Sem

		Chemistry & Aliphatic hydrocarbon				
5	32177901	DSE 1 (i), Novel Inorganic Solids	Practical	All	11-08-2020	24-11-2020
6	32195901	Atomic Structure, Bonding, General Organic (Chemistry GE I)	Practical	All	20-11-2020	End of Sem
7	32171101	CHEMISTRY - C I: INORGANIC CHEMISTRY – I, Atomic Structure & Chemical Bonding	Core (practical)	All	19-11- 2020	End of Sem

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

Event Topic	National Education Policy and Discourse on Indian Language				
Type / Nature (FDP/Webinar/Workshop etc.)	FDP				
Organizing In-charge	Dr. Sanjay Sharma				
Details regarding invited Resource Person	Mata Sundri College for Women, University of Delhi				
Nature of Participation (e.g. Invited Speaker, Participant etc.)	Participant				
Date/s	5-9-2020 to 11-9-2020	Timing/s	Scheduled time different	Mode	Online

For Departments

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				

Outstation Field Visit for Students

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

Teacher's Name: Dr. Vandana Meena

Semester: Odd

Department: Chemistry

S. No.	UPC	Paper Name	Core/AECC/GE/S EC	Topic/Unit	Start Date	End Date
1	32173902	Basic Analytical Chemistry	SEC	Basic Analytical Chemistry	11.08.2020	19.11.2020
2	42177915/1 6	Analytical Biochemistry	DSE	Analytical Biochemistry	29.08.2020	25.11.2020
3	32171301	INORGANIC CHEMISTRY – II, s- and p-Block Elements	Core	p-block elements	13.08.2020	26.11.2020
4	32171301	INORGANIC CHEMISTRY – II, s- and p- Block Elements	Core	All (Practical)	23.08.2020	25.11.2020

5	42171103	Atomic Structure, Bonding, General Organic Chemistry & Aliphatic hydrocarbon	Core	Inorganic Section (Practical)	20.11.2020	10.04.2021
6	42171103	Atomic Structure, Bonding, General Organic Chemistry & Aliphatic hydrocarbon	Core	All (Practical)	14.12.2020	23.04.2021

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		

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
SEC	B.Sc.(H) Chemistry II Year	32173902	Basic Analytical Chemistry	Thursday 12.11.2020	Thursday 17.11.2020
DSE	B.Sc.(P) Analytical Chemistry III Year	42177915/16	Analytical Biochemistry	Monday 30.11.2020	Saturday 05.12.2020
Core	B.Sc.(H) Chemistry II Year	32171301	INORGANIC CHEMISTRY – II, s- and p-Block Elements	Saturday 21.11.2020	Monday 30.11.2020

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

For Departments

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 ()				

Outstation Field Visit for Students

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

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	

Teacher's Name: Abhishek Verma

Semester: Odd

Department: Chemistry

S. No.	UPC	Paper Name	Core/AECC/G E/SEC	Topic/Unit	Start Date	End Date
1.	42177925	Chemistry-DSE-11: Chemistry of d-Block Elements, Quantum Chemistry and Spectroscopy	DSE (B.Sc. (P)-Life Science-III year)	<u>Section A: Inorganic Chemistry</u> Unit 1: Transition Elements Unit 2: Coordination Chemistry Unit 3: Crystal Field Theory	13/08/2020	Semester End

2.	42177955	Chemistry-DSE-11: Chemistry of d-Block Elements, Quantum Chemistry and Spectroscopy	DSE (B.Sc. (P)-Analytical Chemistry-III year)	<u>Section A: Inorganic Chemistry</u> Unit 1: Transition Elements Unit 2: Coordination Chemistry Unit 3: Crystal Field Theory	14/08/2020	Semester End
3.	32175915	Solutions, Phase Equilibrium, Conductance, Electrochemistry and Functional Group Chemistry-II	GE (B.Sc. (H)- II year)	<u>Section B: Organic Chemistry</u> Unit 5: A) Carboxylic acids and their derivatives (aliphatic & aromatic) B) Amines (aliphatic & aromatic) and diazonium salts Unit 6: A) Amino acids, peptides and proteins B) Carbohydrates	27/10/2020	Semester End

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

Event Topic	Not Applicable				
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	

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
CBCS	B.Sc. (P) Analytical Chemistry-III year	42177925	Section A: Inorganic Chemistry Unit 1: Transition Elements Unit 2: Coordination Chemistry Unit 3: Crystal Field Theory	30/10/2020	06/11/2020
CBCS	B.Sc. (P) Life Science-III year	42177925	Section A: Inorganic Chemistry Unit 1: Transition Elements Unit 2: Coordination Chemistry Unit 3: Crystal Field Theory	29/10/2020	05/11/2020
CBCS	B.Sc. (H)-II year (Chemistry GE-3)	32175915	Section B: Organic Chemistry Unit 5: A) Carboxylic acids and their derivatives (aliphatic & aromatic) B) Amines (aliphatic & aromatic) and diazonium salts Unit 6: A) Amino acids, peptides and proteins B) Carbohydrates	30/11/2020	07/12/2020

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

Organization of Department/College Society Meetings by Staff Advisor/Convener

Department/Society	Meeting Date	Purpose

College Functions

College Function	Function Date	Role to be played

For Departments

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 ()				

Outstation Field Visit for Students

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

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	10-11 January, 2020	Timing/s		Mode

Teacher's Name: **Dr. Jai Prakash Chaudhary**

Semester: **Odd**

Department: **Chemistry**

S. No.	UPC	Paper Name	Core/AECC/ GE/SEC	Topic/Unit	Start Date	End Date
1	32177901	B.Sc.(H) Chemistry, 3 rd year (Sem-V): NOVEL INORGANIC SOLIDS (THEORY)	DSE-1	Basic Introduction to Solid state chemistry, Synthesis of Inorganic Solids	10/08/2020	25/08/2020
				Cationic, anionic, mixed solid electrolytes and their applications, inorganic pigments	31/08/2020	21/09/2020
				One dimensional metal, molecular magnets, Inorganic liquid crystals.	22/09/2020	28/09/2020
				Characterization techniques of inorganic solids	28/09/2020	13/10/2020
				Speciality polymers (conducting polymers), Ion exchange resin	19/10/2020	02/11/2020
				Ceramic & Refractory materials, Composite materials, CNTs, SOFC, YSZs	02/11/2020	24/11/2020
2	32177901	B.Sc.(H) Chemistry, 3 rd year (Sem-V): NOVEL INORGANIC SOLIDS (PRACTICAL)	DSE-1	1. Synthesis of Silver nanoparticles	17/08/2020	17/08/2020
				2. Synthesis of Polyaniline	24/08/2020	24/08/2020
				3. Synthesis of pure ZnO and Cu doped ZnO nanoparticles	31/08/2020	31/08/2020
				4. Synthesis of metal sulfides nanoparticles	07/09/2020	07/09/2020
				5. Intercalation of Hydrogen in WO ₃	14/09/2020	14/09/2020
				6. Preparation of Zeolite A and removal of Ca & Mg ions from water	21/09/2020	21/09/2020

				7. Synthesis of Inorganic pigments	28/09/2020	28/09/2020
				8. Assignment/ Mock Test & Viva Preparation	05/10/2020	23/11/2020
3	32173902	B.Sc.(H) CHEMISTRY, 2 nd year (Sem-III): Basic Analytical Chemistry (PRACTICAL)	SEC	1. Paper chromatographic separation of Co ²⁺ & Ni ²⁺	22.08.2020	22.08.2020
				2. Complexometric titrations	29.08.2020	29.08.2020
				3. Determination of DO of water sample	04.09.2020	04.09.2020
				4. To study phenolphthalein in trap cases	12.09.2020	12.09.2020
				5. Determination of pH, acidity and alkalinity	19.09.2020	19.09.2020
				6. Determination of pH of soil	19.09.2020	19.09.2020
				7. Spectrophotometric determination of iron	26.09.2020	26.09.2020
				8. Determination of ion exchange capacity of cation/ anion exchange resin	03.10.2020	03.10.2020
				9. Spectrophotometric identification & determination of Caffeine and benzoic acid	10.10.2020	10.10.2020
				10. Estimation of macro-nutrients by flame photometer	17.10.2020	17.10.2020
				11. Analysis of gasoline	24.10.2020	24.10.2020
				12. Assignment/ Mock Test & Viva Preparation	31.10.2020	28.11.2020
4	32171101	B.Sc.(H) Chemistry, I st year (Sem-I): INORGANIC CHEMISTRY-I (THEORY)	CORE	Unit-1: Atomic Structure	18.11.2020	13.01.2020
				Unit-2: Periodicity of Elements	20.01.2021	23.02.2020
				Assignment/ Mock Test	24.02.2021	02.03.2021
5	32171101	B.Sc.(H) Chemistry, I st year (Sem-I): INORGANIC CHEMISTRY-I (PRACTICAL)	CORE	1. Titrimetric Analysis	27.11.2020	04.01.2021
				2. Acid Base Titration	11.12.2020	15.01.2020
				3. Oxidation- reduction Titrimetry	22.01.2021	19.02.2020
				4. Assignment/ Mock Test & Viva Preparation	26.02.2020	05.03.2020

6.	32173908	BSc Analytical Chemistry, 2 nd Year (SEM-III): Green Methods in Chemistry (THEORY)	SEC	<ol style="list-style-type: none"> 1. Introduction to Green chemistry, 12 principle of green chemistry, atom economy and examples of atom economic reactions. 2. Green chemistry challenge award, 3. Solventless process, Real world case studies, Bio-catalysis 	07.11.2020 21.11.2020 26.11.2020	07.11.202. 21.12.2020 26.11.2020
7.	32173908	BSc Analytical Chemistry, 2 nd Year (SEM-III): Green Methods in Chemistry (PRACTICAL)	SEC	<ol style="list-style-type: none"> 1. Synthesis and characterization of Gold and silver nano particles 2. Preparation and Characterization of Biodiesel from Vegetable oil 3. Solvent free, Microwave Assisted one pot synthesis of Phthalocyanine Complex of Cu (II) 	03.12.2020	03.12.2020

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	

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
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DSE-1	B.Sc.(H) Chemistry, III rd year (Sem-V): NOVEL INORGANIC SOLIDS (THEORY)	32177901	Synthesis of Inorganic Solids, Solid electrolytes & Inorganic pigments, One dimensional metal, molecular magnets, Inorganic liquid crystals. Characterization techniques	16/11/2020	December - 2020
CORE	B.Sc.(H) Chemistry, I st year (Sem-I): INORGANIC CHEMISTRY-I (THEORY)	32171101	Atomic structure & Periodicity of elements	20/02/2021	February 2021
SEC	BSc Analytical Chemistry, 2 nd Year (SEM-III): Green Methods in Chemistry (THEORY)	32173908	1. Introduction to Green chemistry, 12 principle of green chemistry, atom economy and examples of atom economic reactions. 2. Why do we need green chemistry, Green chemistry challenge award. 3. Solventless process, Real world case studies, Bio-catalysis	28.11.2020	Dec 2020

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Organization of Department/College Society Meetings by Staff Advisor/Convener

Department/Society	Meeting Date	Purpose

S. College Functions

College Function	Function Date	Role to be played

For Departments

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 ()				

Outstation Field Visit for Students

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

D. 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	

Teaching Plan (Year : 2020-2021 Semester: Odd)

Teacher's Name Dr. Sudipta Ghosh Department Chemistry

S. No.	UPC	Paper Name	Core/AECC/GE/SEC	Topic/Unit	Start Date	End Date
1	32171303	Physical Chemistry-III	B.Sc. H Chemistry, III SEM	Practical	11/08/2020	24/11/2020
2	32171102	Physical Chemistry-1	B.Sc. H Chemistry, I SEM	Practical	19/11/2020	04/03/2021
3	32171102	Physical Chemistry-1	B.Sc. H Chemistry, I SEM	theory	18/11/2020	06/03/2021
4	42174304	Solutions, phase, equilibria, conductance, electrochemistry & functional group organic chemistry-II	B.Sc(P) life sciences SEM-III	practical	10/08/2020	23/11/2020

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

***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

Teaching Plan (Year : 2020-2021 Semester: Odd)

Teacher's Name Dr. M. Ramananda Singh Department Chemistry

S. No.	UPC	Paper Name	Core/AECC/GE/SEC	Topic/Unit	Start Date	End Date
1	32171303	Physical Chemistry-III	B.Sc. H Chemistry, III SEM	theory	13/08/2020	27/11/2020
2	32171303	Physical Chemistry-III	B.Sc. H Chemistry, III SEM	Practical	12/08/2020	25/11/2020
3		Physical Chemistry-V	B.Sc. H Chemistry, V SEM	Practical	13/08/2020	26/11/2020
4		Physical Chemistry-1	B.Sc. H Chemistry, I SEM	theory	21/11/2020	06/03/2021
5			B.Sc(P) Physical sciences SEM-V	practical	12/08/2020	25/11/2020

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

Event Topic	Refresher Course Environmental science				
Type / Nature (FDP/Webinar/Workshop etc.)	Refresher Course				
Organizing In-charge					
Details regarding invited Resource Person					
Nature of Participation (e.g. Invited Speaker, Participant etc.)	Participant				
Date/s	7 th Oct 2020 to 21 st Oct 2020	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

***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

Teaching Plan (Year: 2020-2021 Semester: Odd)

Teacher's Name Dr. Palash Jyoti Das Department Chemistry

S. No.	UPC	Paper Name	Core/AECC/GE/SEC	Topic/Unit	Start Date	End Date
1	42171104	Basic Principal of Laboratory Experiments	DSC B.Sc (P) AC I Semester	theory	19/11/2020	24/03/2021
2	42174304	Solutions, phase, equilibria, conductance, electrochemistry & functional group organic chemistry-II	DSC B.Sc (H) II Semester	Practical (group-I)	10/08/2020	24/11/2020
1	42171104	Basic Principal of Laboratory Experiments	DSC B.Sc (P) AC I Semester	Practical	19/11/2020	24/03/2021
4	42174304	Solutions, phase, equilibria, conductance, electrochemistry & functional group organic chemistry-II	B.Sc (P) V Sem. Physical Science	Theory	10/08/2020	27/11/2020
5		Physical chemistry-V	DSC B.Sc (H) V Semester	Practical	12/08/2020	25/11/2020

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

Event Topic	FDP Ramanujan College & MHRD
Type / Nature (FDP/Webinar/Workshop etc.)	FDP
Organizing In-charge	Ramanujan College & MHRD
Details regarding invited Resource Person	
Nature of Participation (e.g. Invited Speaker, Participant etc.)	Participant

Date/s	17 th Sep 2020 to 30 th Sep 2020	Timing/s		Mode	
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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

*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

Teaching Plan (Year : 2020-2021 Semester: Odd)

Teacher's Name Dr. Panmei Gaijon Department Chemistry

S. No.	UPC	Paper Name	Core/AECC/GE/SEC	Topic/Unit	Start Date	End Date
1	42174304	Solutions,phase, equilibria, conductance, electrochemistry& functional group organic chemistry-II	DSC(theory) physical chemistry part	theory	10/08/2020	24/11/2020
2	42174304	Solutions,phase, equilibria, conductance, electrochemistry& functional group organic chemistry-II	DSC	Practical (group-I)	10/08/2020	24/11/2020
3	42174304	Solutions,phase, equilibria, conductance, electrochemistry& functional group organic chemistry-II	DSC(theory) physical chemistry part	theory	10/08/2020	25/11/2020
4	42174304	Solutions,phase, equilibria, conductance, electrochemistry& functional group organic chemistry-II	All	practical		27/11/2020
5		Solutions,phase, equilibria, conductance, electrochemistry& functional group organic chemistry-II	GE(physical chemistry part)	Theory		26/11/2020
		Physical chemistry-V			12/08/2020	25/11/2020

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

*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
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E. College Functions

College Function	Function Date	Role to be played