



Sir Padampat Singhania Education Centre
Kamla Nagar, Kanpur

Lesson Plan
Session 2021 - 2022
Class: XII

Subject : Chemistry (043)
Book : NCERT

Subject Coordinator
Name:

Head of Department
Name: Arun Sharma

Sign:

Sign:



Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Yearly Syllabus/Planning overview

Session: 2021 - 2022

Subject : Chemistry

Class : XII

No. of periods

: 6+2=8

Month	Assessed in	Lesson/s to be covered	Period Count
April 2021	Test 1	Halo alkanes and Halo arenes	15
May 2021	Test 1	Halo alkanes and Halo arenes (continued) Alcohol phenol and ether	8+4 8
June 2021	X	Alcohol phenol and ether (continued) Polymers	2
July 2021	Test 2	Aldehyde ketone and carboxylic acid Chemistry in everyday life	
Aug 2021	Test 2 + HYE	Amines Surface chemistry Chemical kinetics	
September 2021	HYE	Solid state Solution Electrochemistry	
October 2021	PB-1	P- block d- and f- block	
November 2021	PB-1	Coordination compound	
December 2021	PB-2	Revision	
January 2022	PB-2	Revision	
February 2022	Boards	Revision	
March 2022	Boards	-	

Subject coordinator:

HOD: RSA



Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Monthly lesson plan overview

Session: 2021 - 2022

Subject : Chemistry
Book : NCERT

Class : XII
No. of periods : 6+2PW

Date/Week		Lesson/s to be covered in classroom	Period Count	Status (Yes/No) (Reason if No)	Principal's Sign
From	To				
8 Apr, 21	10 Apr, 21	Halo alkane and Halo arene preparation	5		
12 Apr, 21	17 Apr, 21	Physical properties and chemical properties of Halo alkane	5		
19 Apr, 21	24 Apr, 21	SN1 and SN2 mechanism	5		
26 Apr, 21	1 May, 21	Optical isomerism	5		
3 May, 21	8 May, 21	Compounds of Halo alkane and Halo arene	5		
10 May, 21	15 May, 21	NCERT exercise	5		
17 May, 21	22 May, 21	Alcohol and phenols preparation and properties	5		
24 May, 21	29 May, 21	Preparation of ether and properties	5		
28 June, 21	30 June, 21	NCERT Exercise	2		
1 July, 21	3 July, 21	Polymers	5		
5 July, 21	10 July, 21	Aldehyde and ketone	5		
12 July, 21	17 July, 21	Preparation and properties	5		
19 July, 21	24 July, 21	Preparation of carboxylic acid and properties	5		
26 July, 21	31 July, 21	Questions based on aldehyde ketone and carboxylic acid from NCERT	5		
2 Aug, 21	7 Aug, 21	Amines and biomolecules	5		

9 Aug, 21	14 Aug, 21	Questions based on Amines and biomolecules	5		
16 Aug, 21	21 Aug, 21	Chemical kinetics Intoduction	5		
23 Aug, 21	28 Aug, 21	Types of reactions, First order and zero order related molecules	5		
30 Aug, 21	4 Sep, 21	Solution and related numericals	5		
6 Sep, 21	11 Sep, 21	Electrochemistry and related numericals	5		
13 Sep, 21	18 Sep, 21	Solid state and related numericals	5		
20 Sep, 21	25 Sep, 21	HYE			
27 Sep, 21	2 Oct, 21	HYE			
4 Oct, 21	9 Oct, 21	P- block elements	5		
11 Oct, 21	16 Oct, 21	d- and f- block elements	5		
18 Oct, 21	23 Oct, 21	Coordination compound	3*		
25 Oct, 21	30 Oct, 21	Related important questions	5		
1 Nov, 21	6 Nov, 21	Revision	2*		
8 Nov, 21	13 Nov, 21	Revision	5		
15 Nov, 21	20 Nov, 21	Revision	5		
22 Nov, 21	27 Nov, 21	Revision	5		
29 Nov, 21	4 Dec, 21	Revision	5		
6 Dec, 21	11 Dec, 21	Pre Board - 1			
13 Dec, 21	18 Dec, 21	Pre Board - 1			
20 Dec, 21	25 Dec, 21	Revision	5		

Subject coordinator:

HOD: RSA



Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Weekly planning overview

Session: 2021 - 2022

Subject : Chemistry

Class : XII

No. of periods : 5+2PW

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 1: 8 April to 10 April		Period Count: 5	
PD1	Introduction of Halo alkane		
PD2	Preparation of halo alkane and Halo arene		
PD3	Preparation of halo alkane and Halo arene (continued)		
PD4	Physical properties and chemical properties		
PD5	Physical properties and chemical properties(continued)		
Note:			
WEEK 2: 12 April to 17 April		Period Count: 5	
PD1	SN1 and SN2 mechanism		
PD2	SN1 and SN2 mechanism (continued)		
PD3	Questions based on SN1 and SN2 mechanism		
PD4	Optical isomerism		
PD5	Stereo chemical aspect of SN1 and SN2		
Note:			
WEEK 3: 19 April to 24April		Period Count: 5	
PD1	Questions based on Halo alkane and Halo arene		

PD2	Name reaction		
PD3	Questions based on name reaction		
PD4	NCERT exercise discussion		
PD5	NCERT exercise discussion		

Note:

WEEK 4: 26 April to 1 May

Period Count: 5

PD1	NCERT exercise discussion		
PD2	NCERT exercise discussion		
PD3	Preparation of alcohol and phenol		
PD4	Properties of alcohol and phenol (continued)		
PD5	Properties of alcohol and phenol (continued)		

Note:

WEEK 5: 3 May to 8 May

Period Count: 5

PD1	Distinction between alcohols		
PD2	Distinction between alcohols (continued)		
PD3	Properties of alcohol and phenol		
PD4	Properties of alcohol and phenol(continued)		
PD5	Properties of alcohol and phenol (continued)		

Note:

WEEK 6: 10 May to 15 May

Period Count: 5

PD1	Ether introduction		
PD2	Preparation of ethers		

PD3	Properties of ether		
PD4	Properties of ether(continued)		
PD5	Properties of ether(continued)		

Note:

WEEK 7: 17 May to 22 May

Period Count: 5

PD1	Question based ON ALCOHOL PHENOL and ether NCERT exercise		
PD2	Question based ON ALCOHOL PHENOL and ether NCERT exercise		
PD3	Question based ON ALCOHOL PHENOL and ether NCERT exercise		
PD4	Polymers		
PD5	Polymers (continued)		

Note:

WEEK 8: 24 May to 29 May

Period Count: 5

PD1	Polymers (continued)		
PD2	Polymers (continued)		
PD3	Chemistry in everyday life		
PD4	Chemistry in everyday life		
PD5	Chemistry in everyday life		

Note:

WEEK 9: 28 June to 3 July

Period Count: 2

PD1	Aldehyde and ketones introduction		
PD2	Preparation of aldehyde and ketones		
PD3	Preparation of aldehyde and ketones (continued)		

PD4	Properties of aldehyde and ketones		
PD5	Properties of aldehyde and ketones		
Note:			
WEEK 10: 5 July to 10 July		Period Count: 5	
PD1	Question based on aldehyde and ketones		
PD2	Question based on aldehyde and ketones		
PD3	Question based on aldehyde and ketones		
PD4	Question based on aldehyde and ketones		
PD5	Question based on aldehyde and ketones		
Note:			
WEEK 11: 12 July to 17 July		Period Count: 5	
PD1	Preparation of carboxylic acid and properties		
PD2	Preparation of carboxylic acid and properties		
PD3	Preparation of carboxylic acid and properties		
PD4	Preparation of carboxylic acid and properties		
PD5	Preparation of carboxylic acid and properties		
Note:			
WEEK 12: 19 July to 24 July		Period Count: 5	
PD1	NCERT questions		
PD2	NCERT questions		
PD3	Amines		
PD4	Preparation of amines		

PD5	Preparation of amines(continued)		
Note:			
WEEK 13: 26 July to 31 July		Period Count: 5	
PD1	Properties of Amines		
PD2	Properties of Amines (continued)		
PD3	Properties of Amines (continued)		
PD4	Properties of Amines (continued)		
PD5	Properties of Amines (continued)		
Note:			
WEEK 14: 2 Aug to 7 Aug		Period Count: 5	
PD1	NCERT exercise		
PD2	Chemical kinetics		
PD3	First order reaction and half life period		
PD4	Zero order reaction		
PD5	Related numericals		
Note:			
WEEK 15: 9 Aug to 14 Aug		Period Count: 5	
PD1	Collision theory		
PD2	Collision theory and Related numericals		
PD3	Solution introduction and concentration terms		
PD4	Colligative properties and related numericals		
PD5	Colligative properties and related numericals		

Note:

WEEK 16: 16 Aug to 21 Aug

Period Count: 5

PD1	Colligative properties and related numericals		
PD2	Electrochemistry and related numericals		
PD3	Electrochemistry and related numerical (continued)		
PD4	Electrochemistry and related numerical (continued)		
PD5	Electrochemistry and related numerical (continued)		

Note:

WEEK 17: 23 Aug to 28 Aug

Period Count: 5

PD1	Solid state intro. And derivations		
PD2	Density formula and numericals		
PD3	Effects and related questions		
PD4	Effects and related questions		
PD5	Effects and related questions		

Note:

WEEK 18: 30 Aug to 4 Sep

Period Count: 5

PD1	p- block and related questions		
PD2	p- block and related questions		
PD3	p- block and related questions		
PD4	p- block and related questions		
PD5	p- block and related questions		

Note:

WEEK 19: 6 Sep to 11 Sep**Period Count: 5**

PD1	d- and f- block and related reasonings		
PD2	d- and f- block and related reasonings		
PD3	d- and f- block and related reasonings		
PD4	Surface chemistry		
PD5	Surface chemistry		

Note:**WEEK 20: 13 Sep to 18 Sep****Period Count: 5**

PD1	Revision		
PD2	Revision		
PD3	Revision		
PD4	Revision		
PD5	Revision		

Note:**WEEK 21: 20 Sep to 25 Sep****Period Count: x**

PD1	Half Yearly Examination		
PD2	Half Yearly Examination		
PD3	Half Yearly Examination		
PD4	Half Yearly Examination		
PD5	Half Yearly Examination		

Note:**WEEK 22: 27 Oct to 2 Oct****Period Count: x**

PD1	Half Yearly Examination		
PD2	Half Yearly Examination		
PD3	Half Yearly Examination		
PD4	Half Yearly Examination		
PD5	Half Yearly Examination		

Note:

WEEK 23: 4 Oct to 9 Oct

Period Count: 5

PD1	Coordination compound		
PD2	Coordination compound intro.		
PD3	Coordination compound		
PD4	Coordination compound		
PD5	Coordination compound		

Note:

WEEK 24: 11 Oct to 16 Oct

Period Count: 5

PD1	Coordination compound related questions		
PD2	Numerical practice		
PD3	Numerical practice		
PD4	Numerical practice		
PD5	Networking Continued		

Note:

WEEK 25: 18 Oct to 23 Oct

Period Count: 3

PD1	Numerical practice		
PD2	Numerical practice		
PD3	Numerical practice		
PD4	Numerical practice		
PD5	Numerical practice		

Note:

WEEK 26: 25 Oct to 30 Oct

Period Count: 5

PD1	Organic revision		
PD2	Organic revision		
PD3	Organic revision		
PD4	Organic revision		
PD5	Organic revision		

Note:

WEEK 27: 1 Nov to 6 Nov

Period Count: 2

PD1	Important questions		
PD2	revision		
PD3	Revision		
PD4	Revision		
PD5	revision		

Note:

WEEK 28: 8 Nov to 13 Nov

Period Count: 5

PD1	revision		
-----	----------	--	--

PD2	revision		
PD3	revision		
PD4	revision		
PD5	revision		

Note:

WEEK 29: 15 Nov to 20 Nov

Period Count: 5

PD1	revision		
PD2	revision		
PD3	revision		
PD4	revision		
PD5	revision		

Note:

WEEK 30: 22 Nov to 27 Nov

Period Count: 5

PD1	Project Work		
PD2	Project Work		
PD3	Project Work		
PD4	Project Work		
PD5	Project Work		

Note:

WEEK 31: 29 Nov to 4 Dec

Period Count: 5

PD1	Revision		
PD2	Revision		

PD3	Revision		
PD4	Revision		
PD5	Revision		

Note:

WEEK 32: 6 Dec to 11 Dec

Period Count: 5

PD1	Pre Board - 1		
PD2	Pre Board - 1		
PD3	Pre Board - 1		
PD4	Pre Board - 1		
PD5	Pre Board - 1		

Note:

WEEK 33: 13 Dec to 18 Dec

Period Count: 5

PD1	Pre Board - 1		
PD2	Pre Board - 1		
PD3	Pre Board - 1		
PD4	Pre Board - 1		
PD5	Pre Board - 1		

Note:

WEEK 34: 20 Dec to 25 Dec

Period Count: 5

PD1	Pre Board - 1		
PD2	Pre Board - 1		
PD3	Revision		

PD4	Revision		
PD5	Revision		

Note:

WEEK 35: 27 Dec to 1 Jan

Period Count: 5

PD1	Revision		
PD2	Revision		
PD3	Revision		
PD4	Revision		
PD5	Revision		

Note:

WEEK 36: 3 Jan to 8 Jan

Period Count: 5

PD1	Pre Board - 2		
PD2	Pre Board - 2		
PD3	Pre Board - 2		
PD4	Pre Board - 2		
PD5	Pre Board - 2		

Note:

WEEK 37: 10 Jan to 15 Jan

Period Count: 5

PD1	Pre Board - 2		
PD2	Pre Board - 2		
PD3	Pre Board - 2		
PD4	Pre Board - 2		

PD5	Pre Board - 2		
Note:			
WEEK 38: 17 Jan to 22 Jan		Period Count: 5	
PD1	Pre Board - 2		
PD2	Pre Board - 2		
PD3	Revision		
PD4	Revision		
PD5	Revision		
Note:			
WEEK 39: 24 Jan to 29 Jan		Period Count: 5	
PD1	Revision		
PD2	Revision		
PD3	Revision		
PD4	Revision		
PD5	Revision		
Note:			
WEEK 40: 1 Feb to 6 Feb		Period Count: 5	
PD1	Revision		
PD2	Revision		
PD3	Revision		
PD4	Revision		
PD5	Revision		

Note:

WEEK 41: 8 Feb to 13 Feb

Period Count: 5

PD1	Revision + Board Practical		
PD2	Revision+ Board Practical		
PD3	Revision+ Board Practical		
PD4	Revision+ Board Practical		
PD5	Revision+ Board Practical		

Note:

WEEK 42: 15 Feb to 20 Feb

Period Count: 5

PD1	Revision+ Board Practical		
PD2	Revision+ Board Practical		
PD3	Revision+ Board Practical		
PD4	Revision+ Board Practical		
PD5	Revision+ Board Practical		

Note:

WEEK 43: 22 Feb to 27 Feb

Period Count: 5

PD1	Revision+ Board Practical		
PD2	Revision+ Board Practical		
PD3	Revision+ Board Practical		
PD4	Revision+ Board Practical		
PD5	Revision+ Board Practical		

Note:

WEEK 44: 1 Mar to 6 Mar**Period Count: 5**

PD1	Revision		
PD2	Revision		
PD3	Revision		
PD4	Revision		
PD5	Revision		

Note:**WEEK 45: 8 Mar to 13 Mar****Period Count: 5**

PD1	Revision		
PD2	Revision		
PD3	Revision		
PD4	Revision		
PD5	Revision		

Note:**WEEK 46: 15 Mar to 20 Mar****Period Count: 5**

PD1	Revision		
PD2	Revision		
PD3	Revision		
PD4	Revision		
PD5	Revision		

Note:**WEEK 47: 22 Mar to 27 Mar****Period Count: 5**

PD1	x		
PD2	x		
PD3	x		
PD4	x		
PD5	x		

Note:

WEEK 48: 29 Mar to 31 Mar 2022

Period Count: 5

PD1	x		
PD2	x		
PD3	x		
PD4	x		
PD5	x		

Note:

PD1	x		
PD2	x		
PD3	x		
PD4	x		
PD5	x		

Note:

--	--	--	--

Subject coordinator

Supervisor

Principal/V. Principal



Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Lesson plan implementation report

Session: 2021 - 2022

Term : Assessment :
From Date : To Date :
Subject : Computer Science Class : XII-G
Book : CS – Saraswati Publication No. of periods : 5 PW

Section	Subject Teacher	Lesson/s to be covered according to lesson plan	Status Yes/No	Reason if not completed

Remarks:

Subject coordinator:

HOD: