O.P.JINDAL SCHOOL,SAVITRI NAGAR
ANNUAL SYLLABUS (2023-24)

CLASS-XII   **SUBJECT-CHEMISTRY**

S N	MONTH	I.D.	NO.OF PERIODS	CHAPTER	ENRICHMENT ACTIVITY	VALUES IMPARTED/LEARNING OUTCOMES	EXTRA CONTENT
1	APRIL	21	18	**2**.Solutions	Demonstration method, Question-answer method **Activity**- Prepare M/20 Mohr's salt solution. With the help of this solution, find the molarity and strength of given unknown $KMnO_4$ solution.	Students will learn about the different types of solution, their solubility and their colligative properties with abnormal behaviour	Relationship between molarity and molality
			9	**4**.Chemical Kinetics (conti.)	Discussion method, Question-answer method	Student will learn about the rate of chemical reaction and order of reaction and its determination.	
2	JUNE	11	6	**4**.Chemical Kinetics	Discussion method, Question-answer method **Activity**- To analyse the acid and basic radical in the given salt: Lead acetate ,Lead nitrate	Student will learn about the relationship between Arrhenius factor and Activation energy.	Determination of order of reaction.
			9	**9**.Co-ordination compounds(conti.)	Discussion method, Question-answer method	Students will understand the concept of complex compounds with bonding and properties.	
3	JULY	23	6	**9**.Co-ordination compounds	Discussion method,Demonstration method,Question-answer method	Students will understand the concept of VBT and CFT.	10 MCQ based on IIT/NEET
			15	**10**.Haloalkanes and Haloarenes	Discussion method,Demonstration method,Question-answer method	They will understand the properties of alkyl and aryl halides and apply the knowledge in every day life.	
			9	**11**.Alcohols,Phenols and Ethers(conti.)	Discussion method,Demonstration method,Question-answer method Activity: To identify the presence of functional group in the given sample of organic compound. Alcohol, phenol, carboxylic acid	They will understand the properties of alcohol, phenol and ethers functional group and apply the knowledge in everyday life	

4	AUGUST	23	6	**11**.Alcohols,Phenols and Ethers	Discussion method,Demonstration, Question-answer method	Students will understand the chemical properties of phenol and compare the properties of Phenol and alcohol.	10 MCQ based on IIT/NEET
			14	**3**.Electrochemistry	Discussion method,Demonstration method, Question-answer method	Students will learn about the working of electrolytic and electrochemical cell with chemical reactions.	10 MCQ based on IIT/NEET
			10	**14**.Biomolecules	Discussion method,Demonstration method, Question-answer method **Activity**- Prepare M/10 oxalic acid solution. With the help of this solution, find the molarity and strength of given unknown $KMnO_4$ solution. To analyse the acid and basic radical in the given salt:NH_4Cl , $(NH_4)_2SO_4$	Students will learn about the composition and functions ofcarbohydrates, proteins and nucleic acid.	10 MCQ based on IIT/NEET
5	SEPTEMBER	12			**Half Yearly Examination**		
6	OCTOBER	20	15	**12**. Aldehydes, Ketones and Carboxylic acid	Discussion method,Demonstration method, Question-answer method	Students will understand the preparation and properties of Aldehyde, ketone and carboxylicacid functional group and applythe knowledge in everyday life	10 MCQ based on IIT/NEET
			12	**13**. Organic compounds containing nitrogen (Amines)	Discussion method,Demonstration method, Question-answer method **Activity**- To identify the presence of functionalgroup in the given sample of organic compound. Aldehyde,ketone and amine **Activity-** Investigative projectwork.	Students will understand the preparation and properties of amine functional group and applythe knowledge in everyday life	10 MCQ based on IIT/NEET
7	NOVEMBER	13	15	**8**.d- and f-Block elements	Discussion method,Demonstration method,Question-answer method **Activity-** To analyse the acid and basic radical in the given salt: $ZnSO_4$, $BaCl_2$	Student will learn aboutthe chemistry of transition and inner transition elements withtheir properties	10 MCQ based on IIT/NEET
8	DECEMBER	19		REVISION	Pre-Board Examination		

| 9 | JANUARY | 22 | | REVISION | Pre-Board Examination |
| 1 0 | FEBRUARY | 15 | | AISSCE Examination | |

SYLLABUS FOR EXAMINATION

SN	EXAMINATION	MONTH	MAX. MARKS	MAX. TIME	SYLLABUS FOR EXAMINATION
1	TEST-1	JULY	20	1 Hr	Ch.2,4
2	Half Yearly Examination	SEPTEMBER	70	3 Hrs	Ch.2,3,4,9,10,11
3	Pre-Board Examination	DECEMBER-JANUARY	70	3 Hrs	Ch.2,3,4,8,9,10,11,12,13,14
4	Board Examination	FEBRUARY	70	3 Hrs	Ch.2,3,4,8,9,10,11,12,13,14