

FORTNIGHT DISTRIBUTION FOR THE ACADEMIC SESSSION 2018-2019
CLASS XII CHEMISTRY

S.NO	FORTNIGHT	No. of Days	Unit to be taught	Details of the topics to be covered	No. of periods	Total no. of periods	Assignment	Monday Test
1	19 th March – 28 th March	08	Unit 10 (Haloalkanes and haloarenes)	1. Revision of basic organic concepts. 2. Nomenclature & prepn 3. Physical Properties, S _N 1, S _N 2 mechanisms. 4. Stereochemistry 5. Elimination reaction & Reaction with metals 6. Nucleophilic substitution, Electrophilic substitution, Wurtz reactions, Polyhalogen compounds 7. NCERT back Questions	2 2 2 2 2 2 2	14		

2.	2 nd April - 13 th April	11	Unit11 (Alcohols phenols and Ethers)	1. Nomenclature & preparation of R-OH	1	11	13-4-18 (upload)	16-4-18 (submission)	19-4-18 (return)	
				2. Chem and Phy properties, reactions involving cleavage of O-H and C=O bond.	2					
				3. Reactions of phenol.	1					
				4. Prep of ethers and Phy. prop. & cleavage of C-O bond in ethers.	2					
				5. Electrophillic substitution reaction	1					
				6. NCERT back Questions	2					
				7. Practical	2					
			Unit 12 (Aldehydes, ketones and carboxylic acids)	1. Nomenclature & preparations of RCHO	2	6				
				2. Preparation of Ketones & Physical Properties	2					
				3. Reactivity of Aldehydes and ketones	2					

3.	16 th April – 27 th April	11	Unit12 (Aldehydes, ketones and carboxylic acids) Contd...	4. Nucleophilic addition reactions. 5. Reduction & oxidation, Prop of alpha hydrogen & uses of C=O compounds. 6. NCERT back Questions 7. Practical 8. Nomenclature & structure of COOH gp. 9. Physical Prop. & prep. of Carboxylic compounds 10. NCERT back Questions 11. Practicals	2 2 2 2 1 2 2 4	17		23-4-18 (Unit-10)
4.	1 st May-18 th May	15	Unit-13 (Amines) Unit – 14 (Biomolecules)	1. Structure of amines, Nomenclature, Preparations 2. Physical and chemical Prop. 3. Preparation of diazonium salt n its prop 4. NCERT problems 5. Practicals 1. Carbohydrates 2. Proteins 3. Enzymes, Vitamins 4. Nucleic Acids	4 3 2 4 4 2 2 1 1	17 6		

5	21 st May-25 th May	5	Unit 15 Polymers	1.Classification of polymers	1	10			
				2. Biodegradable polymers	1				
				3. Addition condensation polymers	1				
				4.NCERT problems	2				
			Unit 16 Chemistry in everyday life	1. Drugs & its classification	1				
					2. Drug target and therapeutic action	1			
					3. chemicals in food	1			
					4.Cleansing agents	2			
					5.Practicals				
Completion of Syllabus- 25thMay18 Summer Vacation- 26th May-28th June First term Exam: 29thJune -9thJuly2018 PTM-28thJuly2018									

6.	10 th July-31 st July	16	Unit 1 Solid State	1.Classification of solids 2. Types of unit cells 3. Packing in solids 4. Density, defects in solids 5.Electrical and magnetic properties,NCERT problems 6. Practicals	2 1 2 2 2 4	13		
			Unit 2 (Solution)	1.Types of solutions 2.Conc. of solutions & solubility. 3.Vapour pressure of solutions. 4.Ideal & non ideal solutions. 5. Colligative properties 6. Practicals	1 2 1 1 3 4			
7.	1st Aug-18 th Aug	13	Unit 2 (Solution) Contd...	1.Determination of molar mass. 2.Abnormal molar masses. 3. NCERT back Questions. 4. Practicals	1 1 2 2	6	3-8-18 (upload) 6-8-18 (submis sion) 10-8-18 (return)	
			Unit 3 (Electrochem istry)	1.Electrochemical cells. 2.Galvanic cells. 3.Nernst Equation 4.Conductance of electrolytic soln.	1 1 2 1	14		

				5. Electrolytic cells & electrolysis. 6. Batteries, Fuel cells Corrosion. 7. NCERT back Questions. 8. Practical	1 2 4 2			
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8	20 th Aug- 31 st Aug.	9	Unit 4 (Chemical Kinetics)	1.Rate of a chemical reaction. 2. Factors influencing rate of a reaction. 3. Integrated rate equations. 4.Pseudo first order rxn. 5.Temp. dependence of the rate of a rxn. 6.Collision theory of chemical reactions. 7. NCERT back Questions. 8. Practicals	1 2 2 1 1 1 3 4	15		
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Completion of Syllabus -31st Aug. 2018
Revision – 4th Sept.-6th Sept 2018
Mid Term Exams 12th Sep.-22nd Sep.2018
Practical Exams 7th Sep., 8th Sep. ,24th Sept & 25th Sep.2018
PTM-13thOct.2018

9.	26 th Sep-17 th Oct.	15	Unit-7(P-Block elements)	1.Group 15 elements 2.Dinitrogen & ammonia 3. Oxides of nitrogen & nitric acid Phosphorous phosphine. 4.Phosphorous halides & Oxoacids of P 5. Group 16 trends & O ₂ Simple oxides & Ozone.	2 3 2 2	23		
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				6. Sulphur, SO ₂ Oxoacids of sulphur & H ₂ SO ₄ 7. Group 17 elements Cl ₂ .HCl and oxoacids of Halogens. 8. Interhalogen, Group 18 elements. 9. NCERT back Questions 10. Practical, Project work Dussehra Break- 18th-21st Oct.2018	2 2 2 4 4			
10.	22 nd Oct- 3rd Nov	10	Unit 8 (d- and f-Block elements)	1. Electronic Conf.& Gen. Prop. Of d- Block elements. 2. Prep.& Prop. Of K ₂ Cr ₂ O ₇ . 3. Prep. & prop.of KMnO ₄ . 4. Lanthanoids Actinoids. 5. Applications of d & f block elements. 6. NCERT back Questions 7. Practicals	2 2 2 2 1 1 4	16		
				Diwali Break-5th-11th Nov.2018				

11	12 th Nov.-7 th Dec	18	Unit 9 (Coordination Chemistry)	1.Theories and important terms 2.Nomenclature 3.Isomerism and bonding 4.M-CO bonding, stability	2 2 4 2	10	12-11-18 (upload) 14-11-18 (submission) 16-11-18 (return)	19-11-18 (Gp.15-16)
			Unit5(Surface Chemistry)	1. Adsorption 2. Catalysis 3. Colloids 4.Emulsions 5.Applications 6. NCERT back Questions.	1 1 1 1 1 2	7		
			Unit-6 (Principles of Extraction)	1. Occurence , conc. of ore 2.Extraction of metal 3.Thermodynamic, electrochemical principle 4.Oxidn. redn. Refining uses 5. NCERT back questions 6. Practicals	1 1 2 2 1 4	11		

Completion of syllabus 7th December 2018

Revision – 10th December – 11th December 2018

Pre Board Practicals-,12th-15th December 2018

Pre Board Exam : 20th Dec 2018-14thJan.2019

Winter Break 31stDec.- 9th January 2019

PTM- 28thJan 2019