

Question Blue Print : Class XII : Chemistry : Pre-Board Examination : 2020-21

Blue Print of Question : Distribution of Marks						
Chapter	Title	1 Marks	2 Marks	3 Marks	4 Marks	Total
Ch-1	Solid State	1(2)	2(1)	--	--	4
Ch-2	Solutions	--	2(1)	3(1)	-- 5	
Ch-3	Electrochemistry	--	--	--	5(1)	5
Ch-4	Chemical kinetics	1(2)	--	3(1)	--	5
Ch-5	Surface Chemistry	1(2)	2(1)	--	--	4
Ch-6	General Principles and Processes of Isolation of Elements	---	---	---	---	---
Ch-7	p-Block Elements	1(3)	---	---	5(1)	8
Ch-8	d-and f Block Elements	1(1)	2(1)	3(1)	---	6
Ch-9	Coordination Compounds	---	2(1)	3(1)	---	5
Ch-10	Haloalkanes and Haloarenes	1(2)	---	3(1)	---	5
Ch-11	Alcohols, Phenols and Ethers	1(2)	--	3(1)	--	5
Ch-12	Aldehydes, Ketons and Carboxylic Acids	1(3)	--	---	5(1)	8
Ch-13	Organic Compounds Containing Nitrogen	1(2)	2(1)	---	---	4
Ch-14	Biomolecules	1(1)	2(1)	3(1)	---	6
	Total =	1(20)	2(7)	3(7)	5(3)	70

QUESTION WISE BREAK UP

Type of Question	Mark per Question	Total No. of Question	Total Marks
VSA/Object	1	20	20
SA	2	7	14
LA-I	3	7	21
LA-II	5	3	15
Total	3	7	70

Coices (s) : There will be no overall choice in the question paper. Question having 5 marks will have internal Choice.

Reduced Syllabus : Class XII : Chemistry : 70 Marks : 2020-2021

Deleted Part of Chemistry Syllabus only

Chapter-1 :

Solid State : Electrical and magnetic properties. Band theory of Metals, conductors, semiconductors and insulators and n and p type semiconductors.

Chapte-2 :

Solutions : Abnormal molecular mass, Van't Hoff factor. Azeotropic mixture.

Chapter-3 :

Electrochemistry : Redox reactions, electrolysis and law of electrolysis (elementary idea), dry cell-electrolytic cells and Galvanic cells, lead accumulator, fuel cells, corrosion.

Chapter-4 :

Chemical Kinetics : Concept of collision theory (elementary idea, no mathematical treatment). Activation energy, Arrhenius equation.

Chapter-5 :

Surface chemistry : Catalysis, homogenous and heterogenous activity and selectivity, enzyme catalysis colloidal state distinction between emulsion-types of emulsions.

Chapter-6 :

General principles and processes of Isolation of Elements : Entire Chapter.

Chapter-7 :

p-Block Elements : Preparation properties and uses, Oxides of Nitrogen (Structure only), Phosphorus-allotropic forms, compounds of Phosphorus, Preparation and Properties of Phosphine, Halides and Oxoacids (elementary idea only).

Dioxygen : Preparation, Properties and uses, classification of Oxides, Sulphuric Acid : industrial process of manufacture, Preparation, properties and uses of Chlorine and Hydrochloric acid.

Chapter-8 :

d-and f-Block Elements : Preparation and Properties of $K_2Cr_2O_7$ and $KMnO_4$. Chemical reactivity and lanthanoid contraction and its consequences. Actinoids - Electronic configuration, oxidation states and comparison with lanthanoids.

Chapter-9 :

Coordination Compounds : Structure and stereoisomerism, importance of coordination compounds (in qualitative inclusion, extraction of metals and biological system).

Chapter-10 :

Haloalkanes and Haloarenes : Uses and environmental effects of - dichloromethane, trichloromethane, tetrachloromethane, iodoform, freons, DDT.

Chapter-11 :

Alcohols, Phenols and Ethers : Uses with special reference to methanol and ethanol.

Chapter-12 :

Aldehydes, Ketons and Carboxylic Acids :

Chapter - 13 :

Organic Compounds Containing Nitrogen : Diazonium salts : Preparation, chemical reactions and importance in synthetic organic chemistry.

Chapter-14 :

Biomolecules : Oligosaccharides (sucrose, lactose, maltose), polysaccharides (starch, cellulose, glycogen); Importance of carbohydrates. enzymes. Hormones-Elementary idea excluding structure. Vitamins - Classification and functions.

Chapter-15 : Polymers : Entire Chapter

Chapter-16 : Chemistry in Everyday life : Entire Chapter.