UNITWISE SYLLABUS , CONTENT & STANDARD REFERENCE

Unit No.	Topics	Primary Reference	Secondary Reference
1	Basic Mathematical Concept	11th, 12th NCERT	RD Sharma
2	Atomic Structure & Quantum	11th NCERT	Peter Atkins, Engel & Reid
3	Basic Organic Chemistry / GOC	11th , 12th NCERT	Paula Bruise , Carey Sandberg, Jerry March
4	Theory of Gases	11th NCERT	KL Kapoor , Engel & Reid , Charles Mortimer
5	Stereochemistry	Class Notes	Subrastosen Gupta , PS Kalsi , Jonathan Clayden, Ernest Eliel
6	Chemical Bonding	11th NCERT	Hueey Kietier , Shriver Atkins , Miessler tarr and E Housecraft
7	Colligative Properties	12th NCERT	KL Kapoor , Puri Sharma Pathania R.C Mukherji , Martin Siberberg
8	Solid State	12th NCERT	KL Kapoor, Hueey, Castellen , Charles Mortimer
9	Reaction Meachnism	12th NCERT	Jonathan clayden, Paula Brucie , Carey Sandberg, George Zweifel
10	Chemical Thermodyanmics	11th NCERT	KL Kapoor , Peter Atkins, Ira Leviine , Castellen , Charles Mortimer
11	Aromaric Electrophilic and Nucleophilic subsitution Addition elimination	12th NCERT	Jonathan clayden, Peter Sykes, Caarey Sandberg , George Zweifel , Jerry March
12	Periodic Properties of elements	11th NCERT	Shriver Atkins, Cathrine e Housecraft Misessler Tarr , Hueey Kieter
13	Reaction Intermediates	Class Notes	Peter Sykes, Jonathan Clayden, Jerry March, george Zwiefel Ernest Eliel
			Hueey Kietier , Shriver Atkins , and E Housecraft, Greenwood, Cotton and Wilkinson , Ajai
14	Main group Elements	11th , 12th NCERT	Peter Atkins, KL Kapoor , Ira Levine ,
15	Chemical Equilibrium	11th NCERT	Charles Mortimer , Castellen Jeery March , Paula Brucie , Carey Sandberg, Carruthers ,
16	Reagents	Class Notes	Jonathan clayden , George Zweifel Ajai Kumar , Miesser Tarr
17	D Blocks Elements	12th NCERT	Greenwood, Cotton & Wilikinson, Shriver Atkins
18	Ionic equilibrium	11th NCERT	KL kapoor, Puri Sharma Pathania Charles Mortimer, RC Mukherji
19	Radioactivity	Class Notes	Asim K Das Vol 1, Puri Sharma Pathania
20	Phase Equilibrium	Class Notes	Castellen, Charles Mortimer, Peter Atkins , KL Kapoor

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21	Name Reaction and Reaarangements	12th NCERT	George Zweifel, Ernest Eliel Carey Sandberg, Paula Brucie, Clayden, IL Finar
22	Titration	Class Notes	KL Kapoor , Puri Sharma Pathania
23	Electrochemistry	12th NCERT	KL Kapoor , Engel & Reid , Charles Mortimer, Ira Levine
24	Pericyclic Reaction	Class Notes	Clayden, Paula brucie, C. Sandberg, Jerry March, george Zweifel
25	Coordination Complexes	12th NCERT	Hueey Kieter, Shriver Atkins Miessler tarr, Cathrine E housecraft, G Lawrence
26	Conductance	12th NCERT	Castellen, Charles Mortimer, Peter Atkins , KL Kapoor, Puri Sharma Pathania
27	Aromatic and Heterocylclic chemistry	Class Notes	Clayden, SP Bhutani , John Joule and Keith Mills, Benna Negi R K Parashar
28	Instrumental Method Analysis	Class Notes	RS Khandpur , Skoog
29	Adsorption	12th NCERT	KL Kapoor, Puri Sharma Pathania Castellen
30	Qualitative Organic Analysis	Class Notes, YR Sharma , JDS Yadav	Clayden, Pavia , Lampman , Kriz C banwell Silversteen
31	BioInorganic	Class notes	Hueey, Asim K Das, Stephen J. Lippard, JD Lee
32	Chemical Kinetics	Class 12th NCERT	KL Kapoor, Castellen CharlesMortimer Peter Atkins, Ira Levine, Laidler Engel & Reiid
33	Natural Products Chemistry	Class Notes	Clayden, Paula Brucie, SP Bhutani, Saujata V bhat , Yang Ye , SP Bhutani
34	Analytical Chemistry	Class Notes	KL Kapoor, Puri Sharma Pathania Castellen , Laidler
35	Spectroscopy	Class Notes	Banwell KL Kapoor, Levine, Peter Atkins Charles Mortimer
36	Organometallic	Class Notes	Hueey, Atkins, greenwood, Housecraft, J Hartwig, Crabtree, Elias, Asim K Das
37	Photochemistry	Class Notes	KL Kapoor, Puri Sharma Pathania Castellen, Laidler