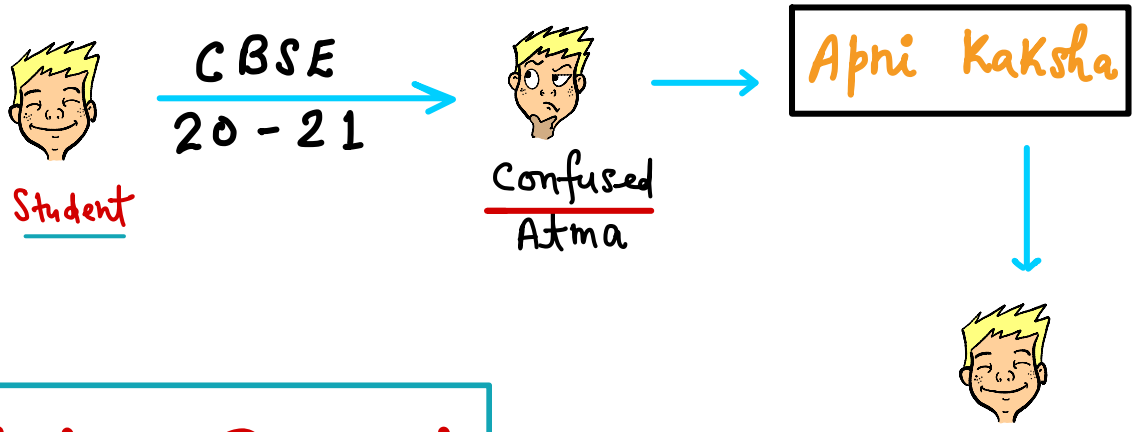

Chemistry Board

1. Solid State

Intext question-1.23 , 1.24

Exercise- 1.17 , 1.18 ,1.20 ,1.22 ,1.26

2. Solution

Example- 2.12 , 2.13

Exercise- 2.40

3. Electrochemistry

Intext question- 3.13 , 3.14 ,3.15

4. Chemical kinetics

Example- 4.0 , 4.10 ,

Intext question- 4.5 , 4.6 , 4.7 , 4.8, 4.9

Exercise- 4.22, 4.23 , 4.24 , 4.26 , 4.27 , 4.28 , 4.29 , 2.30

5. Surface Chemistry

Intext question- 5.4 , 5.5 , 5.6

Exercise- 5.7 , 5.13 , 5.19 , 5.20 , 5.21 , 2.22

6. General Principles and Processes of isolation of element - Completely Removed

7. The p Block Element

Example- 7.6 , 7.7 , 7.8 , 7.9

Intext question- 7.7 , 7.8 , 7.9 , 7.10 , 7.11 , 7.12 , 7.23 , 7.24

Exercise- 7.13, 7.15 , 7.16 , 7.21

8. The d & f Block -

Intext question- 8.1o

Exercise- 8.14 , 8.15 , 8.16 , 8.20 , 8.26 , 8.29 , 8.30 , 8.33

9. Co-ordination Compounds

Example- 9.4 , 9.5 , 9.6

Intext question- 9.3 , 9.4

Exercise- 9.8 , 9.9 , 9.10 , 9.11 , 9.12 , 9.27

10. Haloalkane and Haloarenes

Exercise- 10.13

11. Alcohols, Ethers and Phenols : Nothing Removed

12. Aldehydes, Ketones and Carboxylic Acids : Nothing Removed

13. Amines

Example- 13.5 ,

Intext question- 13.9

Exercise - 13.7[ii] , 13.8[iv] , 13.9[iv, vi] , 13.11[ii, iv, vii]

14. Biomolecules

Intext question- 14.2, 14.6 , 14.7 ,14.8

Exercise- 14.5, 14.6, 14.7[ii], 14.8, 14.19, 14.20,

15. Polymer : Completely Removed

16. Chemistry in Every day Life : Completely Removed

समाप्त!

CLASS -XII

S No	Unit	Portion to be Reduced
1	Solid State	Electrical and magnetic properties. Band theory of metals, conductors, semiconductors and insulators and n and p type semi conductors.
2	Solutions	Abnormal molecular mass, Van't Hoff factor
3	Electrochemistry	Lead accumulator, fuel cells, corrosion, law of electrolysis (elementary idea), dry cell- electrolytic cells and Galvaniccells,
4	Chemical Kinetics	Concept of collision theory (elementary idea, no mathematical treatment), activation energy, Arrhenius equation.
5	Surface Chemistry	emulsion - types of emulsions, catalysis: homogenous and heterogeneous, activity and selectivity of solid catalysts; enzyme catalysis,
6	General Principles and Processes of Isolation of Elements	Entire unit
7	p-Block Elements	Preparation and properties of Phosphine, Sulphuric Acid: industrial process of manufacture, Oxides of Nitrogen (Structure only); Phosphorus - allotropic forms, compounds of Phosphorus: Preparation and properties of Halides and Oxo acids (elementary idea only).
8	d and f Block Elements	Chemical reactivity of lanthanoids, Actinoids -Electronic configuration, oxidation states and comparison with lanthanoids. Preparation and properties of $KMnO_4$ and $K_2Cr_2O_7$
9	Coordination Compounds	Structure and stereoisomerism, importance of coordination compounds (in qualitative analysis, extraction of metals and biological system).
10	Haloalkanes and Haloarenes	Uses and environmental effects of -dichloromethane, trichloromethane, tetrachloromethane, iodoform, freons, DDT.
11	Alcohols, Phenols and Ethers	uses with special reference to methanol and ethanol.
12	Aldehydes, Ketones and Carboxylic Acid	---
13	Amines	Diazonium salts: Preparation, chemical reactions and importance in synthetic organic chemistry.

14	Biomolecules	Oligosaccharides (sucrose, lactose, maltose), polysaccharides (starch, cellulose, glycogen), importance of carbohydrates. Vitamins– classification and functions. Enzymes. Hormones - Elementary idea excluding structure.
15	Polymers	entire chapter
16	Chemistryin Everydaylife	entire chapter

Practical

Following portions should be considered deleted.

A. Surface Chemistry

a. Preparation of one lyophilic and one lyophobic sol Lyophilic sol - starch, egg albumin and gum Lyophobic sol - aluminium hydroxide, ferric hydroxide, arsenous sulphide.

b. Dialysis of sol-prepared in (a)above.

c. Study of the role of emulsifying agents in stabilizing the emulsion of different oils.

B. Chemical Kinetics

a. Effect of concentration and temperature on the rate of reaction between Sodium Thiosulphate and Hydrochloric acid.

b. Study of reaction rates of any one of the following:

i) Reaction of Iodide ion with Hydrogen Peroxide at room temperature using different concentration of Iodideions.

ii) Reaction between Potassium Iodate, (KIO3) and Sodium Sulphite: (Na2SO3)using starch solution as indicator (clock reaction).

C. Thermo chemistry Any one of the following experiments

i) Enthalpy of dissolution of Copper Sulphate or Potassium Nitrate.

ii) Enthalpy of neutralization of strong acid (HCl) and strong base(NaOH).

iii) Determination of enthaply change during interaction (Hydrogen bond formation) between Acetone and Chloroform.

D. Electrochemistry Variation of cell potential in Zn/Zn 2+|| Cu2+/Cu with change in concentration of electrolytes (CuSO4 or ZnSO4) at room temperature.

G. Preparation of Organic Compounds Preparation of any one of the following compounds

i) Acetanilide

ii) Di-benzal Acetone

iii) p-Nitroacetanilide

Aniline yellow or 2 - Naphthol Anilinedye