

**Revision** (5–6 weeks from exam)

Session	Module	Subtopic	Important lessons	Done
1	Chemical Equilibrium Systems	Rates of Reaction	Collision Theory and Reaction Rates (Part 1 and Part 2)	<input type="radio"/>
		Reversible Reactions and Equilibrium		<input type="radio"/>
		Shifts in Equilibrium	<u>Collision Theory and Le Chatelier's Principle</u>	<input type="radio"/>
2		Equilibrium Constants	<u>Equilibrium Constant (K<sub>c</sub>)</u> , Using RICE Tables and Equilibrium Constants	<input type="radio"/>
	Acids and Bases	Describing Acids and Bases	<u>Strength of Acids and Bases</u>	<input type="radio"/>
		Calculating Acidity and Basicity	<u>Dilution pH Calculations</u> , <u>Neutralisation pH Calculations</u> , <u>Acid Dissociation Constant Calculations</u>	<input type="radio"/>
3		Titration	<u>Titration Calculations</u> , <u>Titration and pH Curves</u>	<input type="radio"/>
		Buffers	<u>Buffers</u>	<input type="radio"/>
4	Oxidation and Reduction	Redox Reactions	<u>Redox Reaction Equations</u> , <u>Oxidation States: Worked Examples</u>	<input type="radio"/>
		Galvanic Cells	Standard Reduction Potentials (Part 1 and Part 2)	<input type="radio"/>
5		Electrolytic Cells	<u>Electrolysis of Molten Ionic Compounds</u> , <u>Effects of Concentration on Electrolysis of Sodium Chloride</u> , <u>Effects of Concentration on Electrolysis of Copper Sulfate</u> , <u>Comparing Electrochemical Cells</u>	<input type="radio"/>
	Properties and Structure of Organic Materials	Nomenclature and Representation	<u>Drawing Compounds from their Names</u>	<input type="radio"/>
		Isomerism	<u>Structural Isomerism</u> , <u>Cis/Trans Isomerism</u>	<input type="radio"/>

**Revision** (5–6 weeks from exam)

Session	Module	Subtopic	Important lessons	Done
6	Properties and Structure of Organic Materials	Hydrocarbons	<u>Testing for Alkenes</u>	<input type="radio"/>
		Introduction to Reaction Mechanisms	<u>Types of Reactions</u>	<input type="radio"/>
		Alcohols	<u>Oxidation of Alcohols</u>	<input type="radio"/>
7		Organic Acids and Bases	<u>Formation of Esters, Identifying and Naming Esters</u>	<input type="radio"/>
		Comparing Organic Compounds	<u>Comparing Boiling Points and Solubility of Organic Compounds</u>	<input type="radio"/>
		Polymers	<u>Addition Polymers Properties and Uses, Condensation Polymers Properties and Uses</u>	<input type="radio"/>
		Proteins		<input type="radio"/>
8	Chemical Synthesis	Enzymes	<u>Factors Affecting Enzyme Activity</u>	<input type="radio"/>
		Synthesis Processes	<u>Optimising Yield and Rate, Reaction Pathways</u>	<input type="radio"/>
		Soaps	<u>Cleaning Action of Soaps and Detergents</u>	<input type="radio"/>



Practice (3–4 weeks from exam)

Session	Topic	Subtopic	Confidence	Done
1	Chemical Equilibrium Systems	Rates of Reaction	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Reversible Reactions and Equilibrium	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Shifts in Equilibrium	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
2	Acids and Bases	Equilibrium Constants	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Describing Acids and Bases	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Calculating Acidity and Basicity	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
3		Titration	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Buffers	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
4	Oxidation and Reduction	Redox Reactions	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Galvanic Cells	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
5		Electrolytic Cells	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
	Properties and Structure of Organic Materials	Nomenclature and Representation	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Isomerism	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
6		Hydrocarbons	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Introduction to Reaction Mechanisms	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Alcohols	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
7		Organic Acids and Bases	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Comparing Organic Compounds	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Polymers	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Proteins	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
8	Chemical Synthesis	Enzymes	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Synthesis Processes	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Soaps	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>