

ST. MARY'S COLLEGE

FORM 5 - CHEMISTRY

Proposed Course Outline (Online)

Term 1 (September 2020 – December 2020)

Section	Specific Objective	Explanatory Notes	Textbook Reference
Organic Chemistry	Sources of hydrocarbon compounds	Identify natural sources of hydrocarbons Uses of petroleum fractions Describe cracking of fractions	Chapter 16
	Introduction	Illustrate bonding in carbon and carbon compounds Write formulae of organic compounds Characteristics of homologous series Write general and molecular formulae of homologous series Deduce the homologous series of compounds Draw and name structures Define structural isomerism Write and name structural isomers	Chapter 16

	<p>Reactions of carbon compounds</p>	<p>Describe the reactions of alkanes and alkenes</p> <p>Relate reactions of alkanes and alkenes to their structures</p> <p>Distinguish between alkanes and alkenes</p> <p>Uses of hydrocarbons</p> <p>Identify alcohols, acids and esters</p> <p>Properties of alcohols, acids and esters</p> <p>Describe reactions of ethanol</p> <p>Describe fermentation</p> <p>Describe reactions of ethanoic acid</p> <p>Describe hydrolysis of esters</p> <p>Compare soapy and soapless detergents</p>	<p>Chapters 17 - 19</p>
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