

YEAR 12A/ B –CHEMISTRY

WEEK 9 (17th May to 21st May) - 3 lessons for both batches

Work sent to the students through Whats app group / Google classroom / Zoom Learning Platform

Lesson Objective: To deduce structures from mass spectra.

Learning Outcome: Write the equation for fragmentation.
Interpret mass spectrum of organic compounds.

Resources: Text book, Worksheet file, video, power point presentations.

Date	Lesson	Topic	Mode of Teaching	
19th May Tuesday 12A	1 12A 7 12B	Understand what happens during fragmentation of hydrocarbons.	Zoom	Teacher uses PowerPoint presentation that contains interactive questions.
18th May Monday 12B	2 12A 2 12B	Use data from a mass spectrometer to suggest possible structures of a simple organic compound from the m/z of the molecular ion and fragmentation patterns	Zoom	Teacher uses PowerPoint presentation that contains interactive questions.
20th May Wednesday 12A	2 12A	Chapter Questions & Worksheet file questions	GC	Students should answer the chapter questions and worksheet file questions.
21 st May Thursday 12B	7 12B			

YEAR 12 A /B –CHEMISTRY

WEEK 9 (17th May to 21st May) 3 lessons for both batches

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Lesson Objective: To explain the Infrared spectroscopy.

Lesson Outcome : Identify what happens when some molecules absorb infrared radiation.
Use infrared spectra to identify the bonds in a molecule.

Resources: Text book, Worksheet file, video, power point presentations.

Date	Lesson	Topic	Mode of Teaching	
18th May Monday 12A	6 12A	Explain the Infrared radiation and how it interacts with the bonds.	Zoom	Teacher uses PowerPoint presentation that contains interactive questions.
20th May Wednesday 12B	7 12B	Discuss the different examples to find the compound using IR spectra. Read pg. 223 to 225 of text book.		
18th May Monday 12A	7 12A	Discussion of Chapter Questions in page 223 & Worksheet file questions	Zoom	Discuss and solve worksheet questions and give chance for students to present the answers for the whole class.
20th May Wednesday 12B	8 12B			
19th May Tuesday 12B	7 12B	Do exam style questions from page 228 and 229	GC	Students solve the questions and upload in the google classroom at end of the lesson
20th May Wednesday 12A	1 12A			