

Chemistry

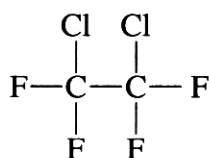
Section I – Part B (continued)

Marks

Question 25 (6 marks)

- (a) What is the systematic name of the CFC in the diagram?

1

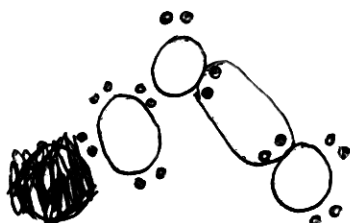


1,2 dichloro-fluoroethane

- (b) Identify the bonding within ozone, using a Lewis electron-dot diagram.

2

Co-ordinate covalent bonding.



- (c) Discuss how CFCs damage the ozone layer, using relevant equations.

3

CFC's react with ozone. They tear ozone apart, stealing an oxygen atom. The new molecule then splits up, and the CFC now attacks another ozone molecule. The process keeps going on and on, like this.