



## CHAPTER 4: MATTER AND SUBSTANCE



### PAPER 2: Section C (Essays)

Ramlee noticed that some compounds do not conduct electricity in the solid state or the molten state, while some compounds do not conduct electricity in the solid state but do so in the molten state.

- (a) Suggest a hypothesis to explain Ramlee's observation. [1 mark]
- (b) Describe an experiment to prove your hypothesis. Your description should include:
- i. The aim of the experiment [1 mark]
  - ii. A fully labelled diagram to show the set-up of the experiment [3 marks]
  - iii. Procedure for carrying out the experiment [3 marks]
  - iv. Tabulation of the results [2 marks]