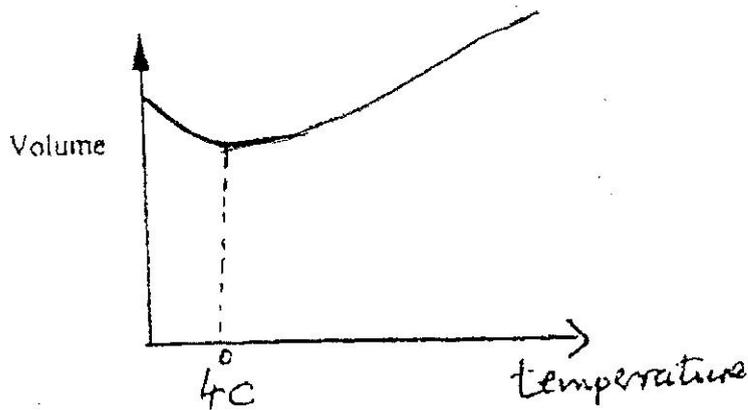
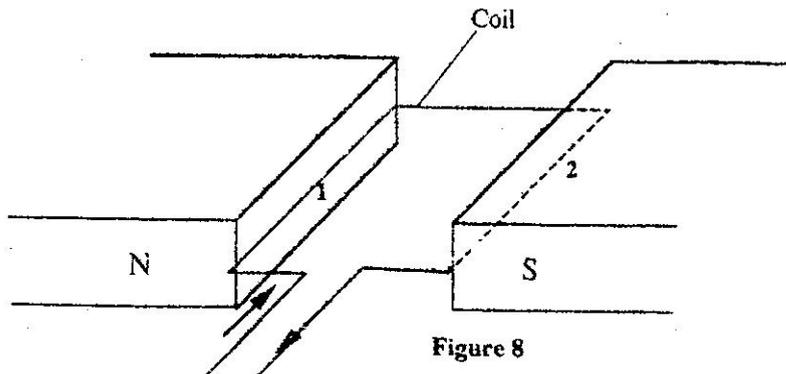


Expected Response



Question 12

Mark on Figure 8 the direction of the forces acting on the sides of the coil labelled 1 and 2. (2 marks)



Candidates were required to apply the **Flemings left hand rule** to show the direction of the forces (couple) acting on the two sides of the coil carrying an electric current in a magnetic field.

Weaknesses

Some of the candidates did not understand the diagrammatical representation of the coil and therefore did not note the two sides of the coil referred to in the question. They showed single force acting on the coil as a block (flat plate). Another group of candidates indicated the forces in the wrong directions. This could be as a result of poor instruction technique on the part of the teachers. It is also possible that candidates used the right hand rule instead of the left.