

## Mark schemes

**Q1.**

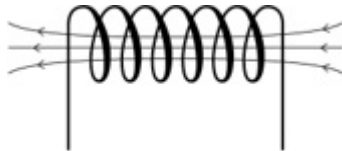
- (a) direction (of the magnetic field)

1

- (b) increase the current in the wire

1

- (c)



1

- (d)
- D A B C**

*allow 1 mark for D B A C*

2

- (e) decrease the distance between the electromagnet and the iron arm

1

**[6]****Q2.**

- (a) iron

1

- (b) coil

1

**[2]**