

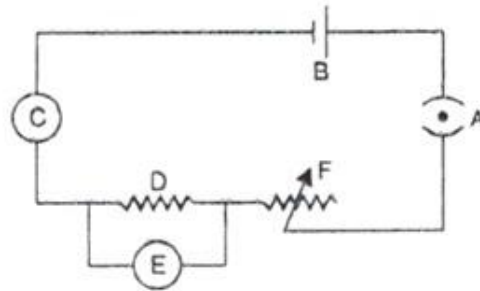




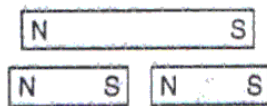




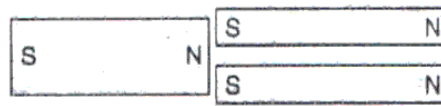
- (b) In the given electric circuit diagram, labeling of different parts as A, B, C, D, E and F is done. State the name of each part. [3]



- (c) [4]
- i. If a magnet is carefully broken into two pieces as shown in diagram (1), how does the magnetic strength of each piece compare with that of the original magnet?



(1)



(2)

- ii. If another magnet is carefully broken in half along its long axis, as shown in diagram (2), how would the strength of each piece be compared with that of the original magnet?
- iii. Since every iron atom is a tiny magnet, why are not all iron bars magnets?