

Question 10

- (a) Suggest some steps to reduce energy consumption. [3]
- (b) Name the instrument used to regulate current in the circuit. [1]
- (c) Write the SI unit of potential difference. [1]
- (d) A bar of soft iron is placed near a magnet. [2]
 - i. State the magnetic properties it acquires.
 - ii. The magnet is now removed. What happens to the magnetic property acquired?
- (e)
 - i. In the absence of any other magnet, draw and show field lines of the Earth at a place.
 - ii. A bar magnet is placed north-pointing north. Draw and show magnetic field in the region around the bar magnet. Mark the “neutral point”. [3]