



















## Answer 10

(a) Steps to reduce energy consumption:

- i. Always use a source of energy which would do a large amount of work per unit volume or mass.
- ii. Always use fuel saving devices such as pressure cooker etc.
- iii. Always get the devices used regularly serviced in order to maintain their efficiency.

(b) Rheostat is used to regulate current in the circuit.

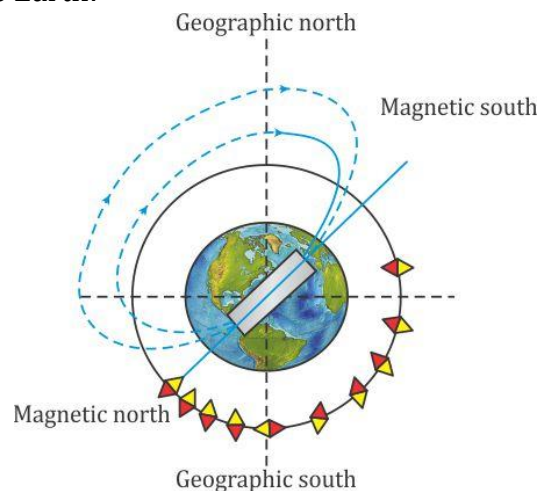
(c) The SI unit of potential difference is Volt (V).

(d)

- i. When a bar of soft iron is placed near a magnet then it acquires induced magnetism.
- ii. When the magnet is removed, the iron bar loses its magnetism because iron has low retentivity.

(e)

i. Field lines of the Earth:



ii. Magnetic field lines of a bar magnet placed north-pointing north:

