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Marks: 20

STD: VII

TT - SCIENCE

Time: 30 min

I. Answer in a word:

(5)

1. The two effects of electric current are ____ and ____.

2. Draw the symbols for the following:

a) Switch off ____.

b) Bulb ____

c) Battery ____.

II. Answer the following:

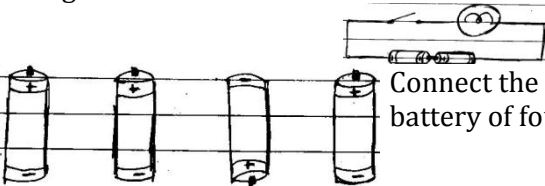
5x3=15

1. When the switch is 'ON' the bulb did not glow. What may be the possible defects in the circuits?

2. When the circuit is not closed, will the compass needle show deflection when the switch is 'ON'? State the reason.

3. Do you think an electromagnet can be used for separating plastic bags from a garbage heap? Explain.

4. Explain and make necessary changes in the following circuit to make the bulb glow.

5.  Connect the four terminals to make a battery of four cells and explain.