

Underline the most suitable answer.

1) The voltage of a car battery is
2) 5 V
3) 3 V
4) 6 V
5) 12 V
6) The symbol of an ammeter is,
7) 


2)

3)

4)

3) SI unit of Resistance is,

1) Ampere
2) Volt
3) Ohm
4) Milliampere
5) A) Electrical current in a circuit is measured using ammeter.
B) The unit of measuring current is ohm.
C) Resistance is measured using the ammeter.

Which of the above statement / statements is / are correct,

1) Only A
2) Only B
3) B and C only
4) A and C only
5) The incorrect statement about potential difference is,
6) Positive terminal has higher potential than the negative terminal of a dry cell.
7) Potential difference can be also named.
8) Electric current flows from a lower electric potential to higher electric potential
9) Voltmeter is used to measure the potential difference.
10) If you want to measure the voltage between the terminals of the which position that the voltmeter should be connected
11) Only to " A"
12) Only to "B"
13) Only to " C "
14) Both " 8" and " C"

15) The symbol of the resistor is
16) 


2)

3)

4)

8) One Ampere is equal too

1) 100 mA
2) 100 mA
3) 1000 MA
4) 1000 MA
5) The symbol used to denote resistance
6) $\Omega$
7) I
8) A
9) $R$
10) The instrument that can be used to identify the direction is a
11) Voltmeter
12) Ammeter
13) Center - zero galvanometer
14) Millimeter

## Part II

c) Name and draw an instrument which can be used to measure a small current in a circuit.
3. Given below is a set up arranged to find out whether the resistance of a conductor affect the flow of current through it

4. Nature of the illumination of the bulb and the ammeter readings were recoded when each piece of nichrome and a copper wire same connected separately to A and B terminals
a) When which wire was connected between $\mathrm{A}, \mathrm{B}$ terminals will the bulb lights brightly?
b) What is the reasons for the above observation?
c) What is the relationship between the resistance and the current flow of a conductor
d) Copy the above circuit diagram and draw how the way you would connect a voltmeter, to measure the potential difference across dry cells.

