Quizzory on electricity chapter

1.Battery is a combination of two or more

a) resistors connected in series
b) cells connected in series
c) resistors connected in parallel
d) cells connected in parallel

2.The resistance of all pure metals _____ on raising the temperature

a) remains same
b) increases
c) decreases
d) none of the above

3.Nichrome, manganin are

a) resistors
b) insulators
c) conductors
d) superconductors

4.An electric component which can make electrons move and electric current flow is

a) resistor
b) switch
c) cell or battery
d) bulb

5. When a cell or battery is connected across a metal wire, the electrons in it flow towards

a) positive to negative
b) negative to negative
c) positive to positive
d) negative to positive

6.Electric wires are made of copper or aluminium because they have

a) high electrical resistance

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b) infinitely high electrical resistance
c) low electrical resistance
d) none of the above

7.The substances which produces a lot of heat on passing current are
a) insulators
b) resistors
c) conductors
d) semiconductors

8.The combined resistance of any number of resistances connected in series is_____ the individual resistances.
a) greater than
b) lesser than
c) equal to the sum of
d) both a) and c) are correct

9.The coils of electric iron and electric toasters are made of an alloy rather than a pure metal because
a) the resistivity of an alloy is much higher than that of pure metal
b) an alloy does not undergo oxidation(burn) easily even at high temperature
c) both 1 and 2 are correct
d) both 1 and 2 are incorrect

10.When a number of resistances are connected in parallel then their combined resistance is _____the smallest individual resistance.
a) greater than
b) lesser than
c) equal to
d) none of the above

11.The symbol of a single cell consists of
a) a straight line

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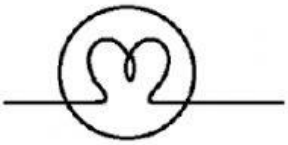
b)two parallel vertical lines
c)two parallel horizontal lines
d)two curved lines

12. Identify this symbol



a) switch
b) resistor
c) bulb
d) cell

13.Potential difference / current = constant What is that constant called?
a) resistivity
b) charge
c) time
d) resistance

14. In the following circuit, which of the following electrical components are connected in series
1.battery and Ammeter
2.Three resistors
3.Swith,battery and ammeter
4.Voltmeter and the resistors

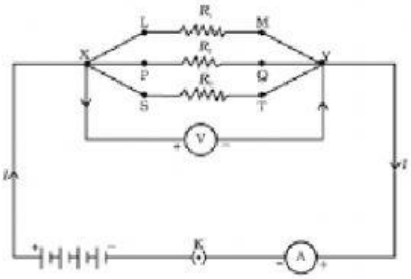


Figure 5

a) 1,2,3,and4
b) 2 and 3
c) 1 and 3
d) 1,2, and 3

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15.when two (or more) resistances are connected end to end consecutively, they are said to be connected in

a) Series
b) parallel
c) neither series nor parallel
d) both series and parallel

16. If five resistances, each of value 0.2ohm, are connected in series, what will be the resultant resistance?

a) 0.002 ohm
b) 0.5 ohm
c) 1 ohm
d) 10 ohm

17. when two (or more) resistances are connected between the same two points, they are said to be connected in

a) series
b) parallel
c) neither series nor parallel
d) both series and parallel

18.Rubber is an excellent

a) conductor
b) insulator
c) resistor
d) none of the above

19.The property of a conductor due to which it opposes the flow of current through it is called

a) potential difference
b) resistance
c) resistivity
d) voltage

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20. If the resistance of a conductor is doubled the current

a) gets double

b) gets halved

c) gets triple

d) remains same

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