





Name: \_\_\_\_\_

Date: \_\_\_\_\_

Max Marks: 20 Achieved: \_\_\_\_\_

Trainer Signature: \_\_\_\_\_/\_\_\_\_\_

Tick the appropriate one.

- 1) In a circuit we have a LED of 2 watt with a voltage source of 10 volts. Find the current in the circuit.  
a) 0.3 amps      b) 0.2 amps      c) 0.4 amps      d) 2 amps
- 2) Which of them is an insulator-  
a) Copper      b) Silver      c) Aluminium      d) Paper
- 3) Find the color code of 1 ohm resistor –  
a) Black-Brown-Black      b) Brown-Black-Gold      c) Brown-Black-Silver      d) None of these.
- 4)  Which symbol is this –  
a) Capacitor      b) Inductor      c) Resistor      d) None of these.
- 5)  Which symbol is this –  
a) Resistor      b) Variable Resistor      c) CRO      d) None of these.
- 6) Four resistors of 10 ohms are in parallel with a voltage supply of 20 volts. Find the total current of the circuit.  
a) 10 Ampere      b) 8 ohm      c) 08 Ampere      d) 40 ohm
- 7) Unit of Inductance is –  
a) Farad      b) Henry      c) Hertz      d) Ohm
- 8) Unit of Impedance is –  
a) Farad      b) Henry      c) Hertz      d) Ohm
- 9) Which of them is a secondary battery –  
a) Button cell (3V)      b) AAA battery (1.5V)      c) Multimeter battery (9V)      d) Lead acid cell
- 10) 0.1 pico farad = ? farad –  
a)  $10^{-12}$       b)  $10^{-13}$       c)  $10^{-14}$       d)  $10^{-15}$



**SAMSUNG A.R.I.S.E PROGRAMME**  
**HHP BASICS**

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- 11) What is the tolerance value of Silver –  
a) 5%      b) 10%      c) 15%      d) 20%
- 12) What is the tolerance value of No color Band –  
a) 5%      b) 10%      c) 15%      d) 20%
- 13) The material which provide the path for electricity without any obstruction –  
a) Conductor    b) Insulator    c) Semi – conductor    d) None of these.
- 14) Which of the following capacitor is polarized capacitor –  
a) Paper capacitor    b) ceramic capacitor    c) electrolytic capacitor    d) None
- 15) Resistors are made up of –  
a) Carbon      b) Silver      c) Glass      d) None
- 16) Potentiometer is a –  
a) Variable capacitor    b) Variable Resistor    c) Variable inductor    d) None
- 17) What is the full form of PPM  
a) Parts per thousand    b) parts per milli    c) parts per million    d) None
- 18) What is the full form of PPE  
a) Personal Protective Electronics    b) Personal Protective Enhancement  
c) Personal Protective Equipment    d) Private Protective Equipment
- 19) Which type of cells use electrolyte as paste form -  
a) Voltic cell    b) Dry cell    c) Both    d) None
- 20) Primary batteries are  
a) Chargeable      b) Non Rechargeable    c) Both    d) None

**ROUGH WORK**