

Duration: 30 Mins

Total Marks: 20

ID: ITISKILL8819SK

Student Name: _____ Roll No: _____

1. What is the ampere hour rating of battery deliver 5 ampere and period of 20 hours?

- A) 80 Ampere hour B) 110 Ampere hour
C) 90 Ampere hour D) 100 Ampere hour

2. What is the purpose of colour code in cables?

- A) Refers the size of the wire B) Colour refers the current rating
C) Colour refers the voltage rating D) Easy identification of each circuit

3. Which is measured by ammeter in an electrical circuit?

- A) Power B) Current
C) Voltage D) Resistances

4. What is the advantage of free maintenance sealed battery?

- A) No need for check and top up distilled water B) No chance for sulphation of battery terminals
C) No need for disconnect the terminals to D) No need for recharging of battery

5. What is the specific gravity of fully charged battery?

- A) 1.240 - 1.250 B) 1.260 - 1.280
C) 1.210 - 1.230 D) 1.170 - 1.200

6. How the flow of Electron is called

- A) Power B) Current
C) Resistance D) Voltage

7. Which device have the ability to store electrical charge?

- A) Insulator B) Capacitor
C) Resistor D) Conductor

8. What is the energy conversion of battery during charging?

- A) Electrical energy into heat energy B) Chemical energy into electrical energy
C) Electrical energy into chemical energy D) Electrical energy into mechanical energy

9. Which is the semi conductor materials?

- A) Aluminium and antimony B) Gallium and indium
C) Arsenic and boron D) Germanium and silicon

10. What is the unit of capacitance?

- A) Ohm B) voltage
C) farad D) ampere

11. Which circuit the ballast resistor is used?

- A) Wiper circuit B) Horn circuit
C) Flasher circuit D) Head lamp circuit

12. Which is the semi conductor material?

- A) Carbon B) Iron
C) Gold D) Silicon

13. Which material resist the flow of electron?

- A) Glass B) Copper
C) Gold D) Silver

14. Which logic gate is called as 'Inverter'?

- A) NOR gate B) NOT gate
C) OR gate D) AND gate

15. What type of resistor is used in the vehicle flasher unit?

- A) Ballast resistor B) Film resistor
C) Integrated resistor D) Printed resistor

16. What is the energy conversion of battery during discharge?

- A) Chemical energy into electrical energy B) Electrical energy into heat energy
C) Electrical energy into mechanical energy D) Electrical energy into chemical energy

17. What does number 25 in the cable size (25/0.012) indicate?

- A) Number of the strand B) Thickness of the cable
C) Length of the strand D) Diameter of the strand

18. Which electrical measuring instruments is fitted on the

vehicle panel board?

A) Ohm meter

C) Voltmeter

B) Wattmeter

D) Ammeter

19. What is the name of central part of an atom?

A) Nucleus

B) Neutron

C) Electron

D) Proton

20. What is the net resistance 'R' if 'R1' and 'R2' resistance are connected in series?

A) $R = R1/R2$

C) $R = R1 \times R2$

B) $R = R1 + R2$

D) $R = R1 \div R2$