

Duration: 30 Mins

Total Marks: 20

Q.ID: ITISKILL8819SK

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

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

Answer: B) No need for check and top up distilled water

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

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

Answer: A) Easy identification of each circuit

3. Which material resist the flow of electron?

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

Answer: A) Glass

4. Which electrical measuring instruments is fitted on the vehicle panel board?

- A) Ammeter
B) Wattmeter
C) Voltmeter
D) Ohm meter

Answer: A) Ammeter

5. Which is the semi conductor materials?

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

Answer: C) Germanium and silicon

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

- A) $R = R1 \cdot R2$
B) $R = R1 \times R2$
C) $R = R1 + R2$
D) $R = R1/R2$

Answer: C) $R = R1 + R2$

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

- A) Nucleus
B) Neutron
C) Electron
D) Proton

Answer: A) Nucleus

8. How the flow of Electron is called

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

Answer: B) Current

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

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

Answer: D) Current

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

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

Answer: A) Number of the strand

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

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

Answer: B) Electrical energy into chemical energy

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

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

Answer: D) 100 Ampere hour

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

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

Answer: A) NOT gate

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

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

Answer: A) Capacitor

15. Which circuit the ballast resistor is used?

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

Answer: C) Flasher circuit

16. Which is the semi conductor material?

- A) Iron
B) Gold

C) Silicon

D) Carbon

Answer: C) Silicon

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

A) 1.170 - 1.200

B) 1.210 - 1.230

C) 1.240 - 1.250

D) 1.260 - 1.280

Answer: D) 1.260 - 1.280

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

A) Electrical energy into heat energy

B) Chemical energy into electrical energy

C) Electrical energy into chemical energy

D) Electrical energy into mechanical energy

Answer: B) Chemical energy into electrical energy

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

A) Printed resistor

B) Ballast resistor

C) Integrated resistor

D) Film resistor

Answer: B) Ballast resistor

20. What is the unit of capacitance?

A) ampere

B) Ohm

C) voltage

D) farad

Answer: D) farad