

**Duration: 60 Mins****Total Marks: 10****Q.ID: ITISKILL3327DQ**

1. Which tool is used for the simplest method of skinning wires?

- A) Manual wire stripper      B) Mechanical wire stripper  
C) Electrician's knife      D) Thermal wire stripper

**Answer: C) Electrician's knife**

2. What are the fundamental properties of insulation materials?

- A) Insulation resistance and dielectric strength      B) Low resistance and thermal heat  
C) Length and cross sectional area      D) Temperature and electrical hazards

**Answer: A) Insulation resistance and dielectric strength**

3. How the stationary electric charges are called?

- A) Electrical charges      B) Static charges  
C) Chemical charges      D) Kinetic charges

**Answer: B) Static charges**

4. What is the specified Vcc voltage of 4 bit digital switch with 4 independent lines?

- A) 1.5 V to 2.2 V      B) 2.3 V to 3.6 V  
C) 5.0 V to 7.5 V      D) 4.5 V to 5.5 V

**Answer: D) 4.5 V to 5.5 V**

5. How the insulation coating stays without damage, even on bending the wire?

- A) Due to wire resistance      B) Due to the strength of the wire material  
C) Due to elastic property of insulation      D) Due to high current flow

**Answer: C) Due to elastic property of insulation**

6. What is stationary electric charges?

- A) Static charges      B) Kinetic charges  
C) Electrical charges      D) Chemical charges

**Answer: A) Static charges**

7. What is the relation of wire diameter with current carrying capacity of conductor?

- A) Inversely proportional      B) Drops more voltage across it  
C) Wire gets less heat      D) Directly proportional

**Answer: D) Directly proportional**

8. What is the percentage of conductivity of electric current in aluminium?

- A) 0.76      B) 0.22  
C) 0.56      D) 0.47

**Answer: C) 0.56**

9. What is the unit of electric charge?

- A) Coulomb      B) Volts  
C) Ampere      D) Hertz

**Answer: A) Coulomb**

10. Which metal has very good conductivity to the electric current?

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

**Answer: A) Silver**