

**Duration: 60 Mins****Total Marks: 10****Q.ID: ITISKILL1274MC**

1. Which battery is made from non-toxic materials?

- A) Lithium polymer (Li-Poly)    B) Lithium ion (Li-Ion)  
C) Nickel metal hydride (NiMH)    D) Nickel cadmium (Nicad)

**Answer: C) Nickel metal hydride (NiMH)**

2. What is the name of the pair of metal strips used in battery cell?

- A) Carbon rod    B) Electrodes  
C) Electrolyte    D) Cathode

**Answer: B) Electrodes**

3. Which electrolyte is used in maintenance free lead acid batteries?

- A) Ceramic electrolyte    B) Gelled electrolyte  
C) Potassium electrolyte    D) Sodium electrolyte

**Answer: B) Gelled electrolyte**

4. Why the load testing is done on the lead-acid battery?

- A) Test I2R power loss in the battery cell    B) Measure the rated output voltage  
C) Verify the rated power delivery    D) Test the dimensional accuracy

**Answer: B) Measure the rated output voltage**

5. Which device is used to test the fully charged condition of a lead acid battery cell?

- A) Multimeter    B) Hydrometer  
C) High rate discharge tester    D) DC voltmeter

**Answer: C) High rate discharge tester**

6. What is the colour of positive electrode in fully charged lead acid battery?

- A) Spongy grey colour    B) Red colour  
C) Grey colour    D) Reddish brown

**Answer: D) Reddish brown**

7. What is the name of the process to maintain the recommended level of electrolyte in lead-acid battery cell?

- A) Recharging    B) Topping up  
C) Charging the cell    D) Cycling of the cell

**Answer: B) Topping up**

8. Which battery is used for cellular phones?

- A) Lithium ion    B) Sodium sulphur  
C) Nickel ion    D) Zinc chloride

**Answer: A) Lithium ion**

9. How batteries are classified based on their working?

- A) Primary cells and secondary cells    B) Dry cells and alkaline cells  
C) Cylindrical cells and rectangular cells    D) Button cells and lithium cells

**Answer: A) Primary cells and secondary cells**

10. Which material is used for negative terminal of alkaline manganese dioxide batteries?

- A) Nickel hydroxide    B) Zinc  
C) Lithium    D) Cadmium

**Answer: B) Zinc**