

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

1. 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**

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

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

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

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

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

**Answer: D) Topping up**

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

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

**Answer: B) Zinc**

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

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

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

6. How batteries are classified based on their working?

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

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

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

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

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

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

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

**Answer: D) Reddish brown**

9. Which battery is used for cellular phones?

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

**Answer: D) Lithium ion**

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

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

**Answer: B) Gelled electrolyte**