

Student Name: _____ Roll No: _____

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

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

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

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

3. Which battery is used for cellular phones?

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

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

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

5. How batteries are classified based on their working?

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

6. 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

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

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

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

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

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

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

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