

recommended level of electrolyte in lead-acid battery cell?

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

19. What is the electrolyte level maintained above the top of the plates in lead acid battery cells?

- A) 2 mm to 4 mm
- B) 5 mm to 8 mm
- C) **10 mm to 15 mm (Correct)**
- D) 16 mm to 25 mm

20. What is the lowest voltage level of discharging the lead-acid battery?

- A) 1.2 V
- B) 1.5 V
- C) **1.7 V (Correct)**
- D) 1.85 V

21. Which is the additional percentage of power delivered by the lithium ion compared to NiMH battery?

- A) 0.15
- B) 25%
- C) **40% (Correct)**
- D) 60%

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

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

23. Which rechargeable cell is designed with conductive polymer?

- A) **Plastic cell (Correct)**
- B) Lead acid cell
- C) Nickel metal hydride cell
- D) Gelled electrolyte lead acid cell

24. Which method is adopted to charge a car battery with voltage rating of 2.3 V per cell?

- A) Float charging method
- B) Trickle charging method
- C) Constant current charging method
- D) **Constant voltage charging method (Correct)**

25. What is the use of battery analyzers with rapid-test program?

- A) Test the battery life
- B) Test the load current delivered
- C) Test the charging current of battery
- D) **Indicate the health condition of battery (Correct)**

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

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

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

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