

1. The capacity of a battery is expressed in terms of

- A. Current rating
- B. Voltage rating
- C. Ampere hour rating
- D. None of the above

✓ View Answer

C. Ampere hour rating

2. The storage battery generally used in electric power station is

- A. Nickel-cadmium battery
- B. Zinc carbon battery
- C. Lead-acid battery
- D. None of the above

✓ View Answer

C. Lead-acid battery

3. Trickle charger of a storage battery helps to

- A. Maintain proper electrolyte level
- B. Increase its reverse capacity
- C. Prevent sulphation
- D. Keep it fresh and fully charged

✓ View Answer

D. Keep it fresh and fully charged

Q1. A device that converts chemical energy into electrical energy through chemical action is called\_\_\_\_\_.

- a. generator
- b. electric cell
- c. alternative
- d. electrolyte

Answer: b

Q2. A cell which cannot recharge is called Primary Cell. True / False

Answer: True

Q3. Which one of the given below is not a DC-Source.

- a. transformer
- b. power supply
- c. generator
- d. battery

Answer: a

Q4. A cell which can recharge after every discharge is called Secondary Cell. True / False

Answer: True

Q5. Which of the following cell that keeps linear characteristics of discharge process ?

- a. lead acid cell
- b. dry cell
- c. mercury cell
- d. nickle cadmium cell

Answer: c

Q6. The major disadvantage of mercury cell is a high cost. True / False

Answer: True

Q7. How many electrodes in one cell ?

- a. 2
- b. 1
- c. 3
- d. 4

Answer: **a**

Q8. Nickel Cadmium Cell is a type of Secondary Cell. True / False

Answer: **True**

Q9. The internal resistance of Secondary Cell is \_\_\_\_\_.

- a. low
- b. medium
- c. high
- d. infinite

Answer: **a**

Q10. Primary Cell is small in size, light in weight and low in cost. True / False

Answer: **True**

Q11. \_\_\_\_\_ cell is recharged more than 100 times.

- a. dry cell
- b. nickel cadmium cell
- c. mercury cell
- d. lead acid cell

Answer: **b**

Q13. Mercury cell is a type of \_\_\_\_\_ cell.

- a. primary
- b. secondary

Answer: **a**

Q14. Silver Oxide Cell cathode is made of silver oxide and Anode is made of Zinc. True / False

Answer: **True**

Q15. The Solar Cell working principle is \_\_\_\_\_.

- a. photovoltaic effect
- b. thermoelectric effect
- c. photoconductive effect
- d. seebeck effect

Answer: **a**

Q17. In the Nickel Cadmium Cell, the Cadmium is used as \_\_\_\_\_ electrode.

- a. negative
- b. positive

Answer: **a**

Q18. The multiple cells are connected in series to get high voltages at output. True / False

Answer: **True**

Q19. Solar Cell is made by \_\_\_\_\_.

- a. conductor
- b. plastic
- c. insulator
- d. semiconductor

Answer: **d**

Q20. The multiple cells are connected in parallel to get high output current. True / False

Answer: **True**

Q28. The filler are used in the Lead Acid to produce an ease for the flow of gasses. True / False

Answer: **True**

Q29. In the Lead Acid Cell, the number of plates are always in \_\_\_\_\_.

- a. even
- b. odd
- c. 08
- d. 04

Answer: **b**

Q30. During discharging of Lead Acid Battery, the both Anode and Cathode becomes  $PbSO_4$ . True / False

Answer: **True**

Q42. A constant voltage source has low internal resistance. True / False

Answer: **True**

Q43. The output voltages will \_\_\_\_\_ after connecting cells in series.

- a. increased
- b. decreased

Answer: **a**

Q44. The internal resistance of a battery is possible due to the resistance of electrode and electrolyte True / False

Answer: **True**

Q45. The open circuit voltages of fully charged Lead Acid Battery is \_\_\_\_\_.

- a. 1.9v
- b. 3.7v
- c. 2.7v
- d. 2.5v

Answer: **c**

Q47. In the \_\_\_\_\_ cell, the electrochemical reaction cannot reverse.

- a. primary
- b. mercury
- c. secondary cell
- d. nickle cadmium

Answer: **a**

Q48. The current capacity is decreased of the cells connected in parallel. True / False

Answer: **True**

Q49. The gravity of a battery can be checked with the help of \_\_\_\_\_.

- a. lucimeter
- b. cell tester
- c. hydrometer
- d. thermometer

Answer: **c**

Which acid is used in battery? ^

### Lead-acid

Lead-acid batteries are made up of plates of lead and separate plates of lead dioxide, which are submerged into an electrolyte solution of about 38% H<sub>2</sub>SO<sub>4</sub> and 62% water.

What is the pH of a battery? ^

Sulfuric acid in a car battery has a concentration of about 5 mol H<sub>2</sub>SO<sub>4</sub> dm<sup>-3</sup> and a pH of about **-0.7**. 12-Jul-2021