Questions

1. How many are there common secondary batteries today?

a. 3 b. 5 c. 7 d. 9

2. In nickel-cadmium batteries, anode will be:

a. Ni b. Cd c. NiO d. CdO

3. In nickel-metal hydrides batteries, anode will be:

a. Ni b. Cd c. MH d. NiO

4. How many are there common lithium secondary batteries today?

a. 3 b. 5 c. 7 d. 9

5. In lithium-ion batteries, anode will be:

a. Li b. Carbon c. LiO_2 d. Ni

6. In Lithium-Polymer batteries, anode will be:

a. Carbon b. Li c. LiO_2 d. Coal

7. In Lithium-ion Polymer batteries, anode will be:

a. Carbon b. Li c. LiO_2 d. Coal

8. During charging of lead acid battery, the active materials on the positive and negative plates are?

a. lead and lead peroxide b. lead sulphate and lead

c. lead peroxide and lead d. none of the above

9. During recharging of lead acid battery, the active materials on the positive and negative plates are?

a. lead and lead peroxide b. lead sulphate and lead

c. lead peroxide and lead d. none of the above

10. The output of voltage of a lithium secondary battery is

a. 2 V b. 3 V c. 4 V d. 5 V

11. The output of voltage of a nickel-metal hydride secondary battery is

a. 1.2 V b. 1.6 V c. 1.8 V d. 1 V

12. The output of voltage of a nickel-Cadmium secondary battery is

a. 1.2 V b. 1.6 V c. 1.8 V d. 1 V

13. The output of voltage of a lead-acid secondary battery is

a. 1.2 V b. 1.6 V c. 1.8 V d. 2 V

14. Battery is a device used to_____

a) store electrical energy

b) vary the resistance

c) store magnetic energy

d) dissipate energy

15. Batteries stores which type of energy?

a) kinetic energy

b) vibrational energy

c) potential energy

d) heat energy

16. The kilowatt-hours (kWh) is the unit of the energy stored in a battery.

(a) True

(b) False

17. The structure of a battery is comprised of:

a. Conductive plates

b. Electrolyte

c. Separator

d. All above

18. Which of the following statements is correct about lead-acid batteries?

a) It has lead as positive plates.

b) Density of electrolyte increases while delivering current

c) It delivers current as soon as its components are put together.

d) lt does not deliver current on putting its components together until it is supplied electrical energy from an external source

19. In a battery, separators are provided to

a) avoid internal short circuits.

b) reduce internal resistance.

c) facilitate flow of the current.

d) increase the energy efficiency.

20. The electrode for a battery must be

a) A semi conductor

b) An insulator

c) A good conductor of electricity

d) A bad conductor of electricity