

Battery Management System Multiple Choice Questions

What are the multiple-choice questions related to electrical batteries?

The below list provides all the multiple-choice questions related to electrical batteries. Answers are available at the bottom of the article. 1. A battery is connected to a resistance causing a current of 0.5 A in the circuit. The current drops to 0.4 A when an additional resistance of 5 Ω is connected in series.

What is a battery MCQ?

Batteries MCQ [Free PDF] - Objective Question Answer for Batteries Quiz - Download Now! The correct answer is option 1 Concept: The output voltage of a battery or cell decreases when a current is drawn from it due to its internal resistance.

Which method of charging a lead acid battery has the advantage?

In comparison to constant current charging method, the constant voltage charging method of charging a lead acid battery has the advantage (s) of reducing charging time. avoiding of excessive gassing. both reducing charging time and avoiding of excessive gassing. increasing capacity of the battery. 41.

How to keep lead acid battery terminals free from corrosion?

For keeping the lead acid battery terminals free from corrosion it is advisable to apply petroleum jelly. charge the battery at frequent intervals. 44. Battery charging equipment should be installed as near as practical to the battery under charge. both in well ventilated, clean and dry place and as near as practical to the battery under charge.

What is battery capacity unit Mah?

Concept: The capacity of the battery is represented in terms of Amp-hour. The capacity of battery = current delivered \times duration of time Battery capacity unit mAh means when 1 mA of current is drawn from a battery it will take 1 hour to discharge.

How do automatic battery chargers work?

In automatic battery chargers, a voltage sensor circuit is incorporated to sense the voltage of the battery undercharges. The charger is automatically switched OFF when the battery voltage reaches the required optimum level. Chopper is used to convert fixed dc to variable dc.

The choice of system depends on factors such as climate, driving patterns, and cost. For instance, liquid cooling is effective but expensive, making it suitable for high-performance vehicles. On the other hand, air-cooling may suffice for mild climates and moderate usage. 25. What is your approach to test and validate a battery management ...

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The above block diagram depicts the architecture of Automotive Battery Management System. The main core of this system is the Battery management IC which will monitor the battery parameters such as voltage, current flow, temperature, state of charge (SOC), state of health (SOH), etc. All these parameters will help to evaluate the battery charge ...

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Question 1: What is the chemical element typically used in the positive terminal of a lead-acid battery? (a) Lithium. (b) Nickel. (c) Sulfur. (d) Lead. Question 2: Which of the following battery ...

This set of Automotive Engine Auxiliary Systems Multiple Choice Questions & Answers (MCQs) focuses on "Battery Testing". 1. Which of the following part of a hydrometer which rises and is represented by an arrow below?

In this quiz, you'll be able to learn about various important battery maintenance MCQ questions with answers. So, if you're looking for a practice set of questions on cells, lead-acid batteries, and turbochargers, you should definitely play this quiz. Do you know batteries should be kept clean and corrosion-free at all times to work efficiently? Many other things ...

Battery charging and management system quiz for University students. Find other quizzes for Education and more on Quizizz for free!

Question 1: What is the chemical element typically used in the positive terminal of a lead-acid battery? (a) Lithium. (b) Nickel. (c) Sulfur. (d) Lead. Question 2: Which of the following battery types is known for its high energy density and is commonly used in portable electronic devices? (a) Lead-acid battery. (b) Nickel-cadmium battery.

This set of Automotive Engine Auxiliary Systems Multiple Choice Questions & Answers (MCQs) focuses on "Battery Charging". 1. Which of the following is provided to charge the battery constantly? Explanation: A generator is provided so that it can constantly charge the battery.

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Batteries MCQ - Multiple Choice Questions In this article, we shared the electrical batteries multiple choice questions and answers. This MCQ series will help you to test your skills.

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A Battery Management System is essentially a sophisticated electronic system that manages a rechargeable battery. Its objective is to monitor the battery's state, calculate secondary data, report that data, control the ...

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