
Basic Electronics and Safety Knowledge – Test Preview

Prerequisite Skills and Abilities for Taking This Test

This test is computer administered under strict timed conditions. It may require the following: Sitting for more than 30 minutes, performing physical actions involved in reading information on a computer screen and using a computer mouse and/or keyboard (e.g., moving arms, wrists, hands, fingers, neck and head), and seeing and comprehending written material (e.g., numbers, words, graphics, phrases, directions for completing the test) on a computer screen.

If you need any test accommodations consistent with the Americans with Disabilities Act (ADA), please contact Verizon's test accommodations group via e-mail at: verizon.assessments@verizon.com prior to the administration of this test.

Test Preview

The purpose of this Test Preview is to provide candidates with an overview of what to expect during the testing process. This is important because it helps candidates have an opportunity to do their best.

What is the Basic Electronics and Safety Knowledge Test?

The Basic Electronics and Safety Knowledge Test measures your knowledge of basic electronics and safety practices related to the telecommunications industry. All questions are in a multiple-choice response format. Your test score is the total number of questions you answer correctly. The test measures your knowledge of basic electronics including conductors and insulators, AC/DC circuits, and Ohm's law; how to read and interpret architectural and schematic drawings; basic data transmission and reception including analog and digital transmission and basic knowledge of modems; meters used in the telecommunications industry; and safety practices applicable to the telecommunications industry...

Why use the Basic Electronics and Safety Knowledge Test?

The Basic Electronics and Safety Knowledge Test allows Verizon to systematically evaluate each candidate based on the same set of requirements. This "common yardstick" provides a fair and systematic way of evaluating all candidates for a given position.

The use of validated, job-related employment tests is one way Verizon ensures that all individuals are selected based on the requirements of the job and not based on unrelated factors such as race, color, age, religion, gender, national origin, veteran status, or disability. All employees are selected based on how well they meet the requirements of the job.

What is the test procedure?

The Basic Electronics and Safety Knowledge Test is computer administered under strict timed conditions. You will have 45 minutes to answer 38 multiple-choice questions.

How to prepare for the Basic Electronics and Safety Knowledge Test

You can prepare for by:

- Studying books on basic electricity and electronics and basic telecommunications/telephony, books that are available in libraries and bookstores
- Solving practice items published in electricity and electronics textbooks and electronics skills workbooks, material that is available in libraries and bookstores
- Taking courses in basic electricity or electronics at a community college or vocational-technical school
- Taking formal or self-study training courses in electricity and electronics, telecommunications/telephony, and safety practices applicable to the telecommunications service industry through your work organization
- Observing the performance of others who work with basic electronics, discussing problems with them, and asking questions

Doing your best on Verizon tests

1. **Feeling Well** - Candidates who are not feeling well before the test begins, or candidates who have a reason to believe that they will not be able to do their best on the test, are responsible for notifying their Human Resources Representative to reschedule a new test date. Once a test starts it must be scored, and the standard re-test period must expire before the test can be retaken. (Retest interval: 6 months for the first score of “Not Qualified”, 12 months for the second).
2. **Be Rested and Ready** - Candidates should get a good night’s sleep before the test, which will help individuals stay alert during the test.
3. **Understand the Test Instructions** – Read the instructions in full and make sure you understand them before beginning the test.

SAMPLE ITEMS

1. What size power supply would be best suited for a 12 VDC operation with a 0.2 amp current draw?
 - A. 1.5 watts
 - B. 5.0 watts
 - C. 15 watts
 - D. 50 watts

The correct answer is B.

2. The component used to connect data terminal equipment to a telephone network is called:
 - A. a mother board.
 - B. a receiver.
 - C. a modem.
 - D. an input card.

The correct answer is C.