

- when ordering tests booklets, the quantity of each test must be specified (e.g. number of Brakes, Engine Performance, Suspension & Steering, etc.)
- all orders must be placed before the published PP order deadline (about two weeks before the start of the PP testing window)
- unused test booklets cannot be refunded

**What are the system requirements to use CBT?**

- Internet access with Internet Explorer version 5.5 or higher
- Screen resolution of 1024x768 or higher
- Cookies enabled
- Pop-ups allowed

**How many questions are on the tests?**

The tests range from 40 to 50 questions each. There may be up to 10 additional questions included on each test for statistical purposes. These additional questions are not identified as such and will not count for or against a student's results.

**Are the tests proctored?**

Yes, all tests must be proctored. The proctor is normally another instructor or school staff member who can verify the identity of the student and monitor their test session. For those using CBT, the proctor is also required to sign onto the CBT system and activate the student's scheduled test.

**How are the CBT tests scheduled?**

Instructors are responsible for scheduling the students, AND, for notifying the proctor of the scheduled tests. Tests and students can be scheduled together or independently. For more detailed information on scheduling tests, please see the "Getting Started" section after logging onto the NATEFTESTS.ORG website.

**Are sample tests question available?**

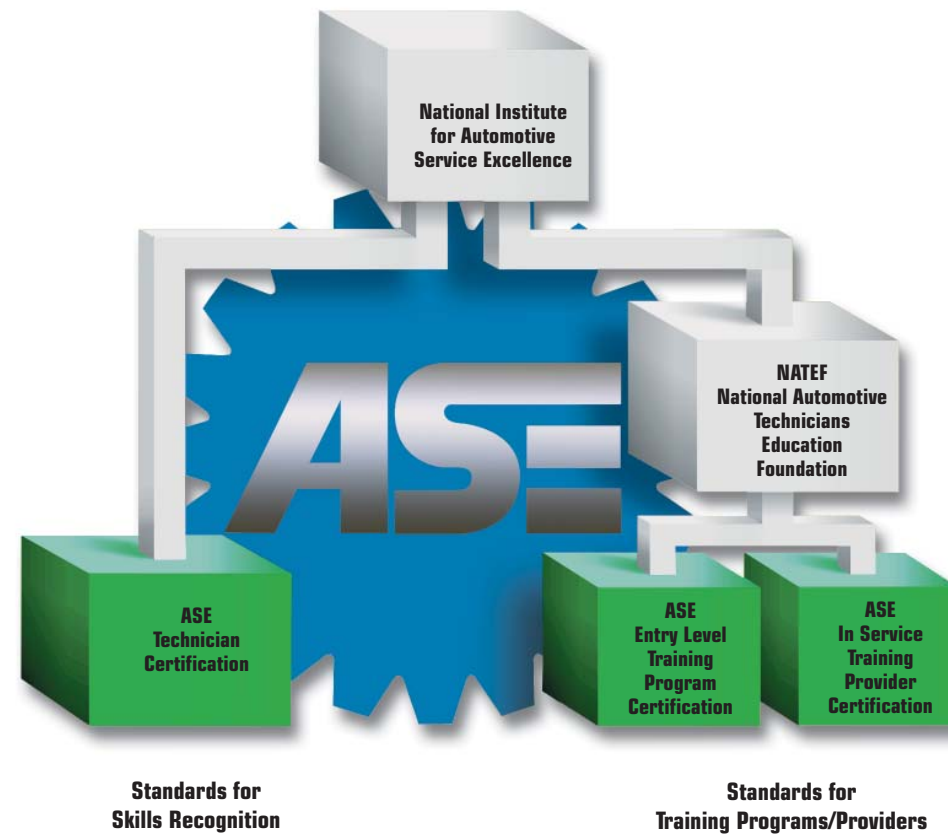
Yes. Sample questions can be found on the NATEF website at: [www.natef.org/about/sampleQuestions.cfm](http://www.natef.org/about/sampleQuestions.cfm)

**Who do I contact if I need assistance with the paper and pencil End of Program Tests?**

For assistance with the PP EOP tests, please call the NATEF office at 703-669-6650.

**Who do I contact if I need assistance with the computer based testing system?**

- For all technical assistance on CBT, contact:
  - NATEF EOP Test Administration Help Line  
877-224-0435, ext. 8309  
8:00 am–5:00 pm central time.
- Problems with forgotten passwords can also be resolved through the EOP Test Administration Help Line. NATEF staff can also re-set an instructor's password by calling 703-669-6650.
- The instructor log-on page includes a tutorial to show the instructor how to use the system.
- To log on the CBT system, go to [www.nateftests.org](http://www.nateftests.org)



ASE is the National Institute for Automotive Service Excellence, a not-for-profit organization established in 1972 by the automotive industry to improve the quality of vehicle repair and service through the voluntary testing and certification of automotive service professionals. Contact ASE at [www.ase.com](http://www.ase.com).

NATEF, the National Automotive Technicians Education Foundation, is a non-profit foundation responsible for the automotive program evaluation process and makes recommendations for ASE program certification based on the evaluation.

**NATEF**  
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**The NATEF End of Program Test Series**



*Evaluation...Measurement... Outcome-Based Learning... Job-Ready Hires.*

Not just buzz-words, the concepts embodied by these terms are of major concern to today's educators, businessmen, employers, and involved parents.

**Simply put, are students learning their stuff?**

*How do you know?*



The NATEF End of Program test series is designed to measure students' knowledge of course content and learning outcomes within an automobile technician training program. The End of Program series is made up of eight separate tests based on the ASE automobile test categories. The test questions—which include a combination of theory and vehicle service related questions—are developed using the NATEF task lists. The NATEF EOP tests are available to all secondary and post-secondary entry-level automobile technician training programs regardless of program certification status.

**End of Program Test Series**

- Suspension and Steering\*
- Brakes\*
- Electrical/Electronic Systems\*
- Engine Performance\*
- Engine Repair
- Automatic Transmission/Transaxle
- Manual Drive Train and Axles
- Heating and Air Conditioning

\* Denotes a NATEF Core Area

End of Program test questions are written by technicians and automotive instructors at workshops facilitated by NATEF. Each question is reviewed by the group and statistically validated before it is approved for use on the test.

The EOP tests provide instructors and administrators with impartial feedback on how well students are learning and comprehending the materials presented throughout the curriculum. The invaluable information provided to students and school personnel makes this test beneficial to any school. It is available to any automobile program, regardless of ASE/NATEF certification status.

These tests are appropriate for student who have nearly completed an individual automobile training course or are preparing to graduate from a technician-training program. Schools choose which test in the series to administer to each student. training program. Schools choose which test in

the series to administer to each student. Testing is available in both fall and spring to ensure maximum usefulness for all programs.

The EOP series helps instructors, department heads, and school system administrators gauge the effectiveness of their training programs and that's never been so pressing in this era of accountability. The EOP series allows comparison of a school's or student's performance with that of others participating in the same NATEF administration. Total group statistics are provided for comparison purposes, including mean score comparisons. (A separate EOP User Guide provides details on performance comparisons as well as test development procedures, scoring and analysis, test reliability and validity.)

Reports are prepared for students, instructors, and state supervisors. Student reports include number correct

in each of the content areas, the total score, and pass/fail. The instructor report shows a summary of the information contained on that instructor's student score reports. State reports summarize the results in terms of mean scores and pass/fail rates from each school in that state are available to the designated state-level supervisor.

**Available in Traditional Paper/Pencil and New CBT Formats**

At present the tests are available in both paper/pencil and computer-

based formats, but use of the CBT platform is encouraged. Not only does this option provide significant benefits in costs, speed, and flexibility over the paper and pencil tests, it eliminates errors caused by improperly completed answer sheets. Other benefits of the CBT platform include:

- Instant pass/fail results
- Online access to test results
- Unused tests may be used during next test administration
- Extended registration period permits sign-up one week prior to testing

- Extended testing window allows for more flexibility in test administration

Whichever platform is chosen, schools order the tests and administer them at their facility during the testing periods.



**Visible, Tangible Signs**

All students who complete an End of Program test receive a detailed score report with pass/fail information. Students who pass all four of the test categories that respond to the NATEF Core areas also receive an ASE Student Achievement Certificate suitable for framing as well as an attractive embroidered cloth insignia.



**Sample Questions**

1. The ride (curb) height on the rear of a vehicle is found to be too low. The best corrective action would be to:
  - A. replace the rear shocks.
  - B. install larger diameter rear tires.
  - C. replace the rear springs.
  - D. add helper springs.

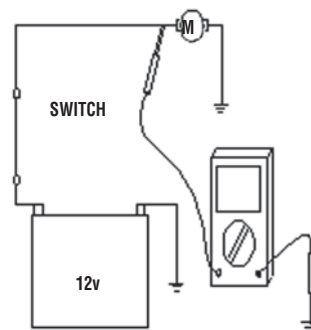


Diagram A

2. The digital multimeter (DMM) shown in Diagram A is measuring:
  - A. Volts
  - B. Amps
  - C. Ohms
  - D. Watts

3. A vacuum-assisted power brake system is being tested. The brake pedal was pumped several times with the engine off. When the engine starts, the brake pedal drops about one inch under foot pressure.

Technician A says that a leak in the hydraulic system could be the cause.

Technician B says that a leak in the booster assembly could be the cause.

Who is right?

- A. Technician A only
- B. Technician B only
- C. Both A and B
- D. Neither A nor B

4. How many amps will flow through a circuit with 3.3 ohms of resistance if 14.0 volts are applied?
  - A. .23 amps
  - B. 4.24 amps
  - C. 14.0 amps
  - D. 46.2 amps

Answer Key:  
1. C 2. A 3. D 4. B

**Frequently Asked Questions about the EOP Testing Program**

Is information about the EOP Testing Program available online?

Yes, go to [www.natef.org/about/end\\_of\\_program\\_test.cfm](http://www.natef.org/about/end_of_program_test.cfm) for complete information.

When are the NATEF EOP tests available?

The tests are available twice each year. See published schedule for exact dates.

In the Fall, the tests are available on the computer based testing (CBT) platform for approximately one month. The testing window ends just before the Christmas/New Year Holidays. Paper and pencil tests are not available in the Fall.

In the Spring, the CBT testing window runs for nearly two months, ending around mid-May. The testing window for paper and pencil testing runs for approximately four weeks, ending approximately one week earlier than CBT.

How much do the tests cost?

Each test costs \$5.00. Additional costs and features apply depending on which test platform a school uses.

- For schools using the computer based testing (CBT) platform:
  - the school purchases test credits (\$5.00 each)
  - one test credit is required for each test
  - a test credit can be used for any student, and for any test that the instructor designates
  - unused test credits can be used during the following test window
  - instructors can view their credit balance on-line
  - additional test credits can be purchased up to one week before the close of the testing window
- For schools using paper and pencil tests (PP) booklets:
  - there is an additional \$75.00 shipping and handling charge