



AT-2000 - the new generation

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eAT-101 Self Assessment Tests



As the curriculum expands and the time available to deliver it contracts it is increasingly important that each learner is studying the course that meets the needs of his or her career path as well as the appropriate knowledge and proficiency levels.

To achieve this, the aptitude and comprehension of each learner should be individually tested and an Individual Learning Plan drawn up. The Self Assessment Tests can be integrated into the existing assessment programme and help learners select the entry point that best matches his or her needs.

Their self-assessment is then verified by the Assessment Programme, which is described in a separate data sheet.

The Assessments can be delivered in standalone mode or tracked using the Internet-based CLEMS (Computerized Learning and Evaluation Management System) which allows the instructor to monitor individual learner and class activities and record the learner's progress.



TEST TOPICS

Direct Current Circuits
Batteries
Application of Relays
Application of Solenoids
Alternating Current
Transformers
Electromagnetic Induction
Capacitance and Capacitors
The Diode
The Transistor
Integrated Circuits
Analog/Digital Conversion
Principles of Sensors 1
Principles of Sensors 2

Testing in Direct Current Circuits
The Microcomputer in Control Systems
Injection and Emission Control
Basic Principles of Control Systems
Basic Principles of Fuel Management
Computer Controlled Ignition Systems
Basic Principles of Ignition Systems
Automobile Circuit Diagrams
Analog and Digital Signals
Principles of Logical Fault Diagnosis
On-Board Fault Diagnosis
Electronic Ignition
Engine Management Systems
Automobile Sensors 1
Automobile Sensors 2
Automobile Sensors 3
Automobile Sensors 4

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DESCRIPTION

The Self Assessment programme comprises 31 modules with a minimum of 10 and a maximum of 25 multi-choice questions.

The Self Assessment Tests cover a wide range of topics that require knowledge of automotive technology.

For each major competency, the learner must state whether he or she needs further training or is ready to be tested.

ADVANTAGES

- Learner motivation increases as he or she participates in compiling their Individual Learning Plan.
- Learners can focus on areas where training is required and bypass subjects in which they are already competent.
- Learners that have not reached the necessary standard are automatically assigned additional training before embarking on courses for which they are not ready.
- More efficient use of instructor's time as learners entering each course have achieved the necessary level of competence and knowledge.
- Better utilization of resources (classrooms, staff, equipment) resulting in lower unit costs.

OPTIONAL ACCESSORIES

CLEMS - Software for monitoring and recording learner progress

Distance Monitoring Software

Web camera and microphone for each instructor and learner station

NOTE: In order to work with CLEMS, an Internet server is required. (Please consult your local contact for more information and minimum configuration).



COMPUTER MINIMUM CONFIGURATION

Pentium II 350 MHz with:
64 MB RAM 40 X CD
COM1 or COM2 port SVGA card with 8 Mbytes
Operating System: Windows 95/98/NT/2000/XP
Microsoft Internet Explorer 5 or later

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