Level 2 Testing ICT systems 2 (7266/7267-405/7540-231)

e-Quals
Assignment guide for Candidates
Assignment B

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Level 2 Testing ICT systems 2 (7266/7267-405/7540-231)
Assignment B

Introduction – Information for Candidates

About this document

This assignment comprises all of the assessment for Level 2 Testing ICT systems 2 (7266/7267-405/7540-231).

Health and safety

You are asked to consider the importance of safe working practices at all times.

You are responsible for maintaining the safety of others as well as your own. Anyone behaving in an unsafe fashion will be stopped and a suitable warning given. You will **not** be allowed to continue with an assignment if you compromise any of the Health and Safety requirements. This may seem rather strict but, apart from the potentially unpleasant consequences, you must acquire the habits required for the workplace.

Time allowance

The recommended time allowance for this assignment is 2 hours.

Level 2 Testing ICT systems 2 (7266/7267-405/7540-231) Candidate instructions

Time allowance: 2 hours

Assignment set up:

This assignment is made up of **three** tasks

- Task A – inspect the system
- Task B –carry out basic functional tests
- Task C – carry out diagnostic tests

Scenario

You have been asked to test a customer's system to identify any faults and performance problems. You will be given details of the system, diagnostic software and log sheets on which to record your findings. You will be required to produce a brief summary of your findings and recommendations. You will also be asked to answer a series of underpinning knowledge questions

Hand in your written answers on the answer sheet provided**.**

Task A – Inspect the system

1 Carry out an external and an internal visual inspection of the system.

2 Identify, record and resolve any problems on the System Hardware Test Report provided.

3 Ask your Assessor's permission to power up the system. Refit the cover.

4 Boot up the system and find out the information requested on the recording sheet marked System Information.

Q1 Describe **three** features of POST.

5 Prepare the system for testing.

Task B – Carry out basic functional tests

1 Carry out a virus scan of the system using installed anti-virus software. Record the results using the screen prints.

2 Carry out a system scan for spyware using the installed software. Record the results using screen prints.

3 Set up a system monitor, to monitor **four** given parameters, and configure to record results in a log file.

4 Using operating system tools, carry out the following tests.

a) Disk scan including file error and unused disk space checks. Print out the log file or copy it to a disk.
b) Disk fragmentation check.
c) Check for I/O conflicts.

5 Carry out the remaining tests detailed on the System Software Test Report.

6 Operate the following applications in turn.

a) Word processor.
b) Spreadsheet.
c) Email client.
d) Presentation.

Ensure that at least **three** will run simultaneously without problems and produce a screen print.

7 Carry out tests detailed on the System Applications Test Report and record the results.

Q2 State **four** different functions of security software.

Task C – Carry out diagnostic tests

1 Using proprietary diagnostic software supplied by your Assessor, carry out diagnostic tests on the following components.

a) CPU
b) System board
c) Memory
d) Sound card
e) Video card
f) Optical drive

2 Record any problems encountered on the Hardware Diagnostic Test Report sheet.

3 Use self-test facilities to test printer function and output quality. Retain the test printouts for submission with other assessment documents.

Q3 State **two** circumstances when you might use **each** of the following.

a) Network testers.
b) Digital multi-meter.

4 Hand all paperwork and removable storage media to your Assessor. Ensure that your name is clearly identified on your work.

5 Sign above your name and hand all paperwork to your Assessor.

End of assignment

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