Level 1 Dismantle, assemble, install and maintain a desktop computing system (7266/7267/7276-102)

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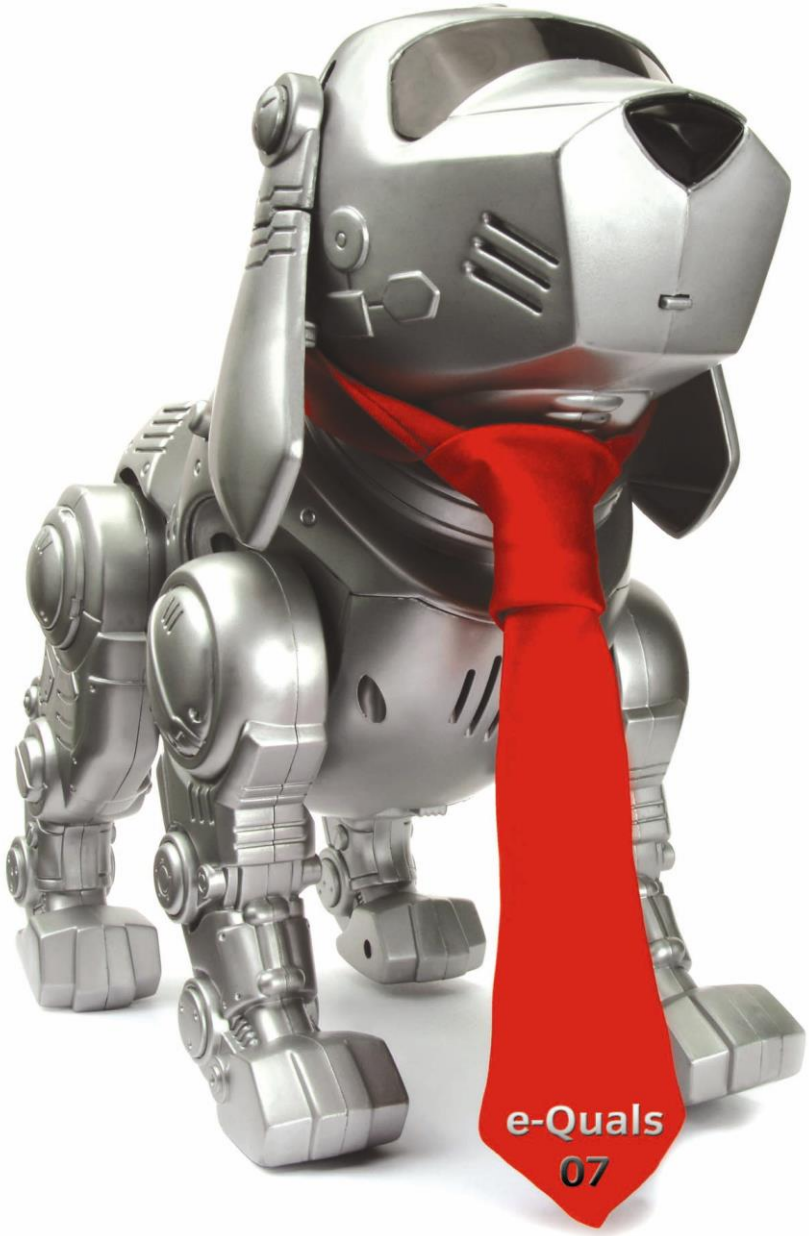
Assignment guide for Candidates
Assignment B



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Level 1 Dismantle, assemble, install and maintain a desktop computing system (7266/7267/7276-102) Assignment B

Introduction – Information for Candidates

About this document

This assignment comprises all of the assessment for Level 1 Dismantle, assemble, install and maintain a desktop computing system (7266/7267/7276-102).

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 **3 hours**.

Level 1 Dismantle, assemble, install and maintain a desktop computing system (7266/7267/7276-102)

Candidate instructions

Time allowance: 3 hours

Assignment set up:

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

- Task A – Identify the components of a Personal Computer (PC)
- Task B – Upgrade a PC
- Task C – Carry out basic PC maintenance

Scenario

Your customer has an old PC that has been used for basic word processing for the past year. The customer now wants to experience the wonders of the Internet and multimedia. Your job is to upgrade the PC to satisfy your customer's needs. Before carrying out these upgrades, you must first identify what is already present in the system, and then install the upgrade components provided to you. After you have done the upgrade, carry out some basic PC maintenance to ensure that the PC will run smoothly. Any problems while carrying out this assignment must be recorded on the Fault Reporting Log Sheet that is provided.

Task A – Identify the components of a PC

1 Identify the peripherals present and complete the ICT system log.

2 State the use of **each** of the peripherals listed in the ICT System log.

3 List **one** use of an Operating System and **one** use of an Internet Browser on the log sheet provided.

4 Power up the PC and complete the ICT System Log for the installed software.

5 Shut down the PC.

6 List **three** tools required to dismantle and upgrade the PC on the log sheet provided.

7 Taking electrical and ESD precautions, remove the cover of the base unit.

8 Identify the internal components of the PC and complete the ICT system log.

9 State the use of the components/parts listed in the ICT system log.

Task B – Upgrade a PC

1 **Remove and store the old RAM.**

2 Upgrade the PC with the new RAM that is provided.

3 Install the modem (or the NIC) provided and log its details in the ICT System Log.

4 Perform a physical check on the system for loose connectors, loose screws, and seating of all expansion cards; enter details in the Fault Reporting Log Sheet.

5 Ask your assessor to verify your work, and then refit the cover.

6 Boot up the PC and log the value of the upgraded RAM in the ICT System Log.

7 Identify **three** sources of obtaining device drivers and complete the log sheet provided.

8 Install the drivers for the hardware fitted and provide a screen print of installation.

Task C – Carry out basic PC maintenance

1 **Clean the mouse, keyboard, and monitor using appropriate equipment and materials.**

2 Install a software Firewall to protect the system from intrusion and produce a screen print showing the security configuration of the system.

3 Set up security features for the Internet Browser to "block all cookies" and produce a screen print showing your settings.

4 Produce a screen print of how you would initiate a "hard disk scan for errors" on the PC.

5 Produce a list of **four** points for the customer detailing user maintenance procedures to maintain optimum PC performance.

6 Ensure that the Fault Reporting Log Sheet is completed.

When you have finished working:

- Sign each document above your name and label all removable storage media with your name.
- Hand all paperwork and removable storage media to your assessor.

If the assignment is taken over more than one period, all paperwork and removable media must be returned to the test supervisor at the end of each sitting.

End of assignment

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