Level 1 Dismantle, assemble, install and maintain a desktop computing system (7276-106)

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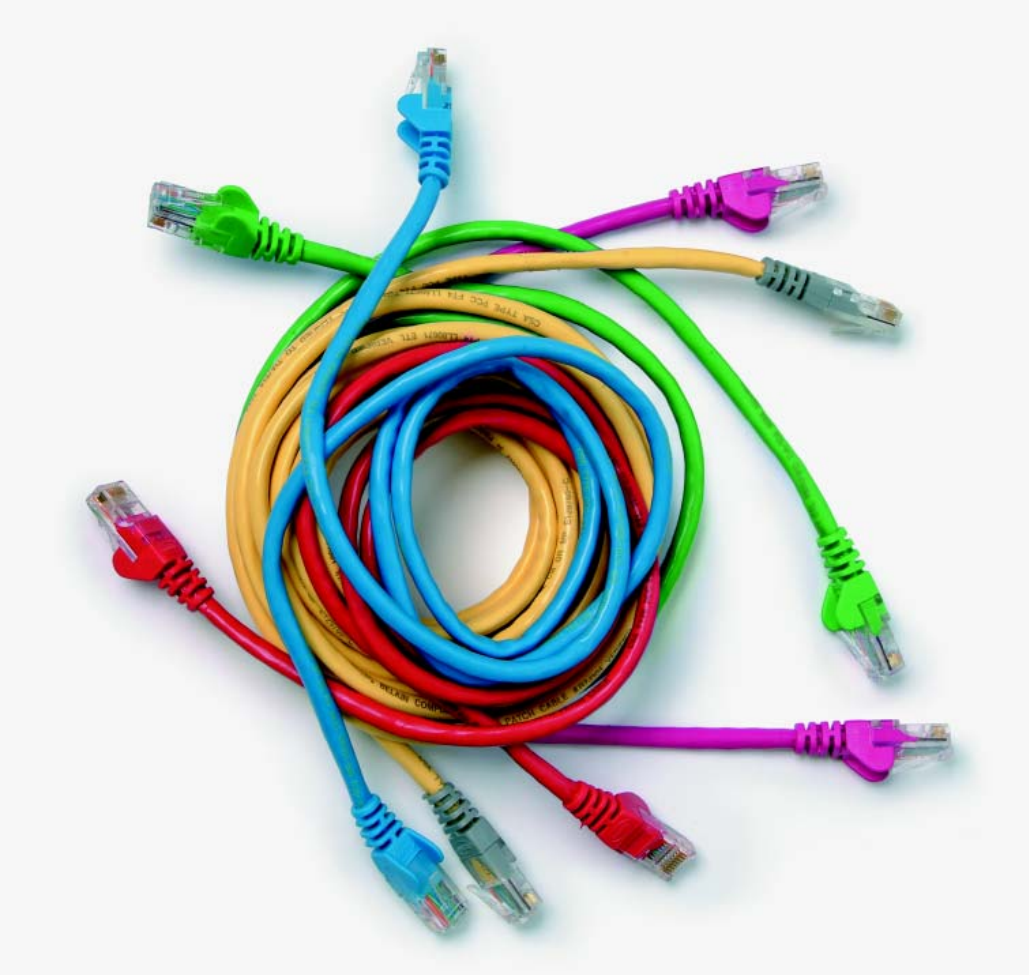
Assignment guide for Candidates

Assignment C



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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 (7276-106).

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 (7276-106)

Candidate instructions

Time allowance: 3 hours

Assignment set up:

This assignment is made up of **one** task

- Task A – Identify parts/components, install new hardware, software and applications, and maintain a Personal Computer (PC)

Scenario

Your customer has impaired vision and therefore needs large font and icon sizes. While using the Internet, the PC crashed and now the customer cannot see what is on the screen as the settings have reverted to default. The customer also reports that the mouse pointer does not move smoothly and the PC's CD drive does not read/write. You are requested to install a new CD drive. Upon inspecting the PC, you notice that the mouse is very dirty and the PC has a loose expansion card. As the customer uses the Internet, you suspect the presence of viruses and spyware. For customer satisfaction, you will carry out some basic PC maintenance to ensure that the system runs smoothly in the future. Any problems while carrying out this assignment must be recorded on the Fault Reporting Log Sheet that is provided.

Task A – Identify parts/components, install new hardware, software and applications, and maintain a Personal Computer (PC)

1 Power up the PC, identify the problem with the display and complete the Fault Reporting Log Sheet.

2 Set up the display properties to your customer's satisfaction and produce a screen print showing your settings.

3 Shut down the PC.

4 Prepare a log of visible ports/connectors on the back of the PC and identify **four** peripherals that they should connect to.

Q1 State the use of the peripherals listed in Task A4.

Q2 State **six** different items required for PC maintenance.

5 Clean the mouse using the correct equipment and materials.

Q3 List **two** safety factors to be considered before dismantling a PC.

6 Taking ESD/electrical precautions, remove the cover of the base unit.

7 Clean the CPU and PSU fans using the correct equipment.

8 Reseat the loose expansion card and enter the details in the Fault Reporting Log Sheet.

Q4 State the use of the expansion card fixed in Task A8.

Q5 List **two** methods for the safe storage of devices.

9 Remove the old CD drive from the PC and safely store it.

10 Install a new CD/RW drive in the PC.

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

12 Ask your assessor to perform a safety check on your internal alterations. Do **not** proceed with the assignment until told to do so by your Assessor. Refit the cover of the base unit and power up the system.

13 Check the functionality of the mouse.

14 Check the functionality of the newly installed CD/RW drive by writing a file to a disk and then reading back using the Operating System's browser. Produce a screen print of the contents of the disk after you have burned a file to it.

Q6 List **three** different types of PC security software and state their use.

15 Install and run the security software provided and produce a screen print showing the results.

16 Delete the temporary Internet files from the hard disk and produce a screen print.

17 Use screen prints to explain how you would check a hard disk for errors. Do **not** initiate the scan.

Q7 List **three** different preventative maintenance procedures for software that your customer should carry out to avoid any further security problems.

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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