

Level 3 PC Based Systems (7267-528)

e-Quals
Assignment guide for Candidates
Assignment A



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City & Guilds

1 Giltspur Street

London EC1A 9DD

T +44 (0)20 7294 2800

F +44 (0)20 7294 2400

www.cityandguilds.com

learnersupport@cityandguilds.com

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Level 3 PC Based Systems (7267-528) Assignment A

Introduction – Information for Candidates

About this document

This assignment comprises all of the assessment for Level 3 PC Based Systems (7267-528).

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 3 PC Based Systems (7267-528)

Candidate instructions

Time allowance: 3 hours

Assignment set up:

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

- Task A – PC system assembly
- Task B – PC fault-finding
- Task C – Short answer questions

Task A – PC system assembly

You will be provided with a:

- PC based system in parts – case, PSU, system board, CPU, cooler, RAM, CD/DVD, hard disk, expansion cards as required, monitor, keyboard, mouse and operating system to install
- printer
- diagnostic checking utility
- specific installation instructions
- selection of appropriate tools
- hardware installation log.

1 Using the following items, assemble the PC based system and have your work checked by your assessor:

- Case.
- PSU.
- System board.
- CPU.
- Cooler.
- RAM.
- CD/DVD.
- Hard disk.
- Monitor.
- Keyboard.
- Mouse.
- Printer.

- 2 Boot up the system, enter the CMOS setup and demonstrate this to your assessor.
- 3 Install the supplied operating system and any required printer driver. Obtain a printer test page printout.
- 4 Obtain a printout of the system information page.
- 5 Run the supplied diagnostic utility and obtain suitable printouts to show that the system is functional.
- 6 Complete the hardware installation log.

Task B – PC fault-finding

You will be provided with each of the following:

- PC based system with either a hardware or software fault.
 - Instruction notes and diagrams.
 - Appropriate test equipment.
- 1 Carry out a fault-finding procedure to identify a fault to item level. Complete a report sheet in detail, showing **each** of the following:
 - Initial symptoms observed.
 - Tests applied.
 - Test results and conclusions drawn (which should indicate what the next test should be).
 - Which item is faulty.
 - 2 Repeat Task B1 on a second unit (of the same type) which has a different fault.

Task C – Short answer questions

Your assessor will now give you an answer sheet containing **five** short answer questions. Answer **all** of the questions and hand your answer sheet back to your assessor.

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

**Published by City & Guilds
1 Giltspur Street
London
EC1A 9DD
T +44 (0)20 7294 2468
F +44 (0)20 7294 2400
www.cityandguilds.com**

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