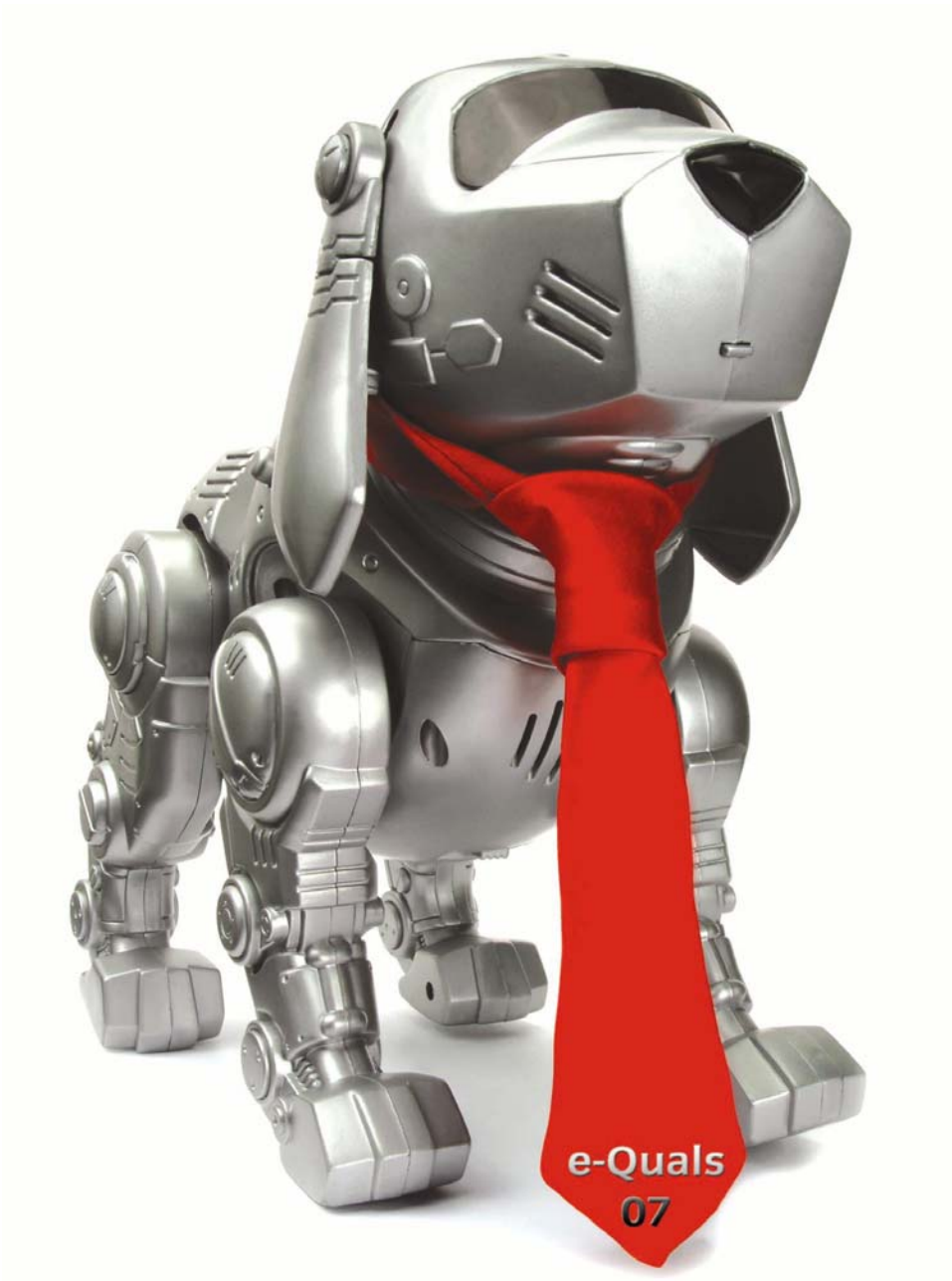
Level 3 PC Based Systems (7267-528)

e-Quals
Assignment guide for Candidates
Assignment A

www.cityandguilds.com/e-quals07
January 2010
Version 1.0



About City & Guilds
City & Guilds is the UK's leading provider of vocational qualifications, offering over 500 awards across a wide range of industries, and progressing from entry level to the highest levels of professional achievement. With over 8500 centres in 100 countries, City & Guilds is recognised by employers worldwide for providing qualifications that offer proof of the skills they need to get the job done.

City & Guilds Group
The City & Guilds Group includes City & Guilds, ILM (the Institute of Leadership & Management) which provides management qualifications, learning materials and membership services, NPTC which offers land-based qualifications and membership services, and HAB (the Hospitality Awarding Body). City & Guilds also manages the Engineering Council Examinations on behalf of the Engineering Council.

Equal opportunities
City & Guilds fully supports the principle of equal opportunities and we are committed to satisfying this principle in all our activities and published material. A copy of our equal opportunities policy statement is available on the City & Guilds website.

Copyright
The content of this document is, unless otherwise indicated, © City & Guilds Limited and may not be copied, reproduced or distributed without prior written consent.

However, approved City & Guilds centres and learners studying for City & Guilds qualifications may photocopy this document free of charge and/or include a locked PDF version of it on centre intranets on the following conditions:

- centre staff may copy the material only for the purpose of teaching learners working towards a City & Guilds qualification, or for internal administration purposes
- learners may copy the material only for their own use when working towards a City & Guilds qualification

The *Standard Copying Conditions* on the City & Guilds website also apply.

Please note: National Occupational Standards are not © City & Guilds Limited. Please check the conditions upon which they may be copied with the relevant Sector Skills Council.

Publications
City & Guilds publications are available on the City & Guilds website or from our Publications Sales department at the address below or by telephoning +44 (0)20 7294 2850 or faxing +44 (0)20 7294 3387.

Every effort has been made to ensure that the information contained in this publication is true and correct at the time of going to press. However, City & Guilds' products and services are subject to continuous development and improvement and the right is reserved to change products and services from time to time. City & Guilds cannot accept liability for loss or damage arising from the use of information in this publication.

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

Contents

Level 3 PC Based Systems (7267-528)

Introduction – Information for Candidates	2
Candidate instructions	3

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

City & Guilds is a company registered in England and Wales (company number 16513878)