City & Guilds Level 3 Security for IT Users (ITS 7574-305)

ITQ

Assignment guide for Candidates

Assignment B

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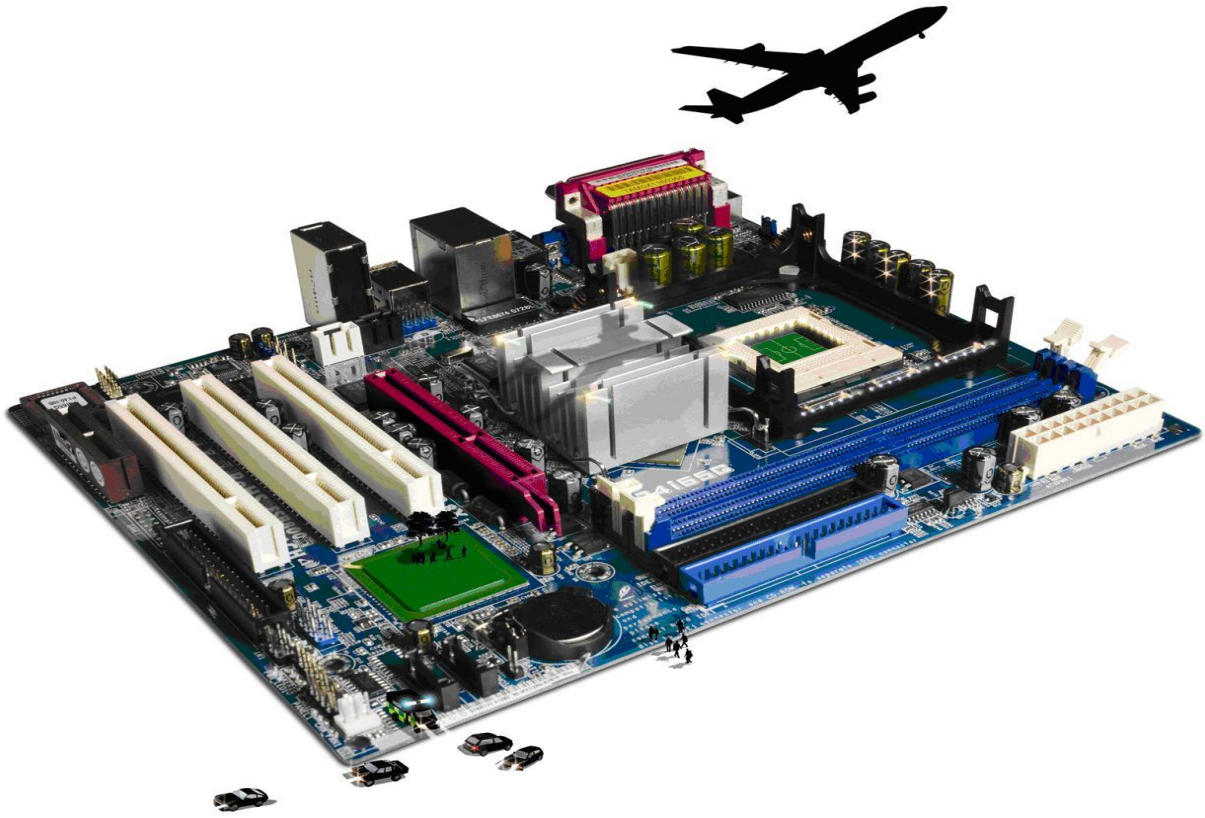

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Level 3 Security for IT Users (ITS 7574-305)
Assignment B
Introduction – Information for Candidates

About this document
This assignment comprises all of the assessment for Level 3 Security for IT Users (ITS 7574-305).

Health and safety
You are responsible for maintaining the safety of others as well as your own. You are asked to work safely at all times.

You will **not** be allowed to continue with an assignment if you compromise any of the Health and Safety requirements.

Time allowance
The recommended time allowance for this assignment is **two and a half hours**.

Level 3 Security for IT users (ITS 7574-305)
Candidate instructions

Time allowance: Two and a half hours

The assignment:

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

- Task A - Evaluate security risks
- Task B - Install software
- Task C - Using security protocols

Scenario

You work as an IT consultant to a group of small businesses within a resource centre.

The business directors have concerns of their computer systems and have asked for advice on procedures that should be put in place to secure their systems and data.

Read all of the instructions carefully and complete the tasks in the order given.

Task A – Evaluate security risks

1 Using your **Answers 305 B** document provided by your assessor, describe the following security issues:

- Unwanted Emails
- Viruses
- Rogue diallers
- Trojans
- Hoaxes
- Vulnerability.

2 Using your **Answers 305 B** document provided by your assessor, evaluate the following security issues:

- Unwanted Emails
- Viruses
- Rogue diallers
- Trojans
- Hoaxes
- Vulnerability.

3 There are many different threats to the information stored on IT systems. Using your **Answers 305 B** document provided by your assessor, describe the following:

- Theft
- Accidental File deletion
- Use of removable storage media
- Hackers
- Unsecured networks
- Bluetooth

4 There are many different threats to the information stored on IT systems. Using your **Answers 305 B** document provided by your assessor, evaluate the following:

- Theft
- Accidental File deletion
- Use of removable storage media
- Hackers
- Unsecured networks
- Bluetooth.

5 Using your **Answers 305 B** document provided by your assessor, choose any **six** of the following and explain how to minimise security threat to IT systems

- Unwanted Emails
- Viruses
- Rogue diallers
- Trojans
- Hoaxes
- Vulnerability
- Theft
- Accidental File deletion
- Use of removable storage media
- Hackers
- Unsecured networks
- Bluetooth.

Task B – Install software

1 The computer system that you have been given by your assessor has Internet access and a web browser. There is no security software installed on the machine.
Perform the following:

- Select appropriate security software from the selection given (a minimum of **three** software applications).
- Install appropriate security software packages to improve system security.
- Update all of the Installed security software.

2 Using your **Answers 305 B** document provided by your assessor, evaluate the effectiveness of the installed security software.

3 The computer system has an administrator password, describe how best to keep this password secure, using your **Answers 305 B** document provided by your assessor.

Task C – Using security protocols

1 Using your **Answers 305 B** document provided by your assessor, develop security guidelines for the computer system that you used in **Task B**, the guidelines need to include:

- Disaster recovery plans
- How to deal with security breaches
- Contingency systems
- Administrative procedures and controls.

2 Using the new user account, demonstrate to your assessor how to begin a system back up.

Note: Do not carry out full back up.

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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