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**5220-522 JUNE 2019****Level 2 Technical Certificate in Digital Technologies**

Level 2 Digital Technologies – Theory exam

If provided, stick your candidate  
barcode label here.

**Tuesday 4 June 2019**  
**09:30 – 12:00**

Candidate name (first, last)

First

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Last

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Candidate enrolment number

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Date of birth (DDMMYYYY)

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Gender (M/F)

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Assessment date (DDMMYYYY)

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Centre number

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Candidate signature and declaration\*

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- If additional answer sheets are used, enter the additional number of pages in this box. ➡ 

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- Before taking the examination, **all candidates** must check that their barcode label is in the appropriate box. Incorrectly placed barcodes may cause delays in the marking process.
- Please ensure that you staple additional answer sheets to the **back** of this answer booklet, clearly labelling these with your full name, enrolment number, centre number and qualification number in BLOCK CAPITALS.
- All candidates need to use a **black/blue** pen. **Do not** use a pencil or gel pen, unless otherwise instructed.
- If provided with source documents, these documents **will not** be returned to City & Guilds, and will be shredded. Do not write on the source documents.

**\*I declare that I had no prior knowledge of the questions in this examination and that I will not divulge to any person any information about the questions.**

**You should have the following for this examination**

- a pen with blue or black ink

**General instructions**

- The marks for questions are shown in brackets.
- Answer **all** questions.
- Answer the questions in the spaces provided. Answers written in margins or on blank pages will **not** be marked.
- Cross through any work you do not want to be marked.

- 1 State **four** types of mobile computer systems that can be used for tasks outside an office environment.

(4 marks)

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- 2 Explain how **each** of the following computer systems can be used in a large organisation.
- Mainframe.
  - Desktop.

(4 marks)

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- USB portable storage drive.
- Digital Video Disk (DVD).
- Hard Disk Drive (HDD).

(6 marks)

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

4

(4 marks)

- 5 Explain how **each** of following network protocols can be used by software installed on an individual's computer.
- SMTP
  - IMAP
  - POP3

(6 marks)

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- (6 marks)



- 7 List **four** technology vulnerabilities that can compromise the security of a computer system.

(4 marks)

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- 8 Explain how the security of a computer system can be compromised by **each** of the following software vulnerabilities.

- Backdoor entry.
- Upgrades.

(4 marks)

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- Update software.
- Manage user access rights.
- Removable media control.

(6 marks)

10

(2 marks)

11 Describe why an administrator may use the following tools to support an effective backup strategy.

- Operating system utilities.
- File transfer protocol.
- Cloud backup.

(6 marks)

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12 State **four** procedures that can be carried out by a helpdesk to support users. (4 marks)

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13 Describe how a support team can use the following interactions to identify the cause of a problem being reported by an end user.  
• Open questions.  
• Closed questions.  
• Emails. (6 marks)

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- Discuss what would be included in your report, describing how the proposed system can be implemented.

(9 marks)

- This must be fully installed and configured with relevant software to allow the:

- They also require ongoing user support and guidance for a period of two years.

(9 marks)