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

Level 2 Digital Technologies – Theory exam

If provided, stick your candidate  
barcode label here.

**Tuesday 5 March 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** hardware components of a computer system.

(4 marks)

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2 Explain how **each** of the following connection types can be used in a computer system.

- Universal Serial Bus (USB).
- Video Graphics Array (VGA).
- Digital Versatile Interface (DVI).

(6 marks)

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3

- Memory management.
- Resource management.
- User interface.

(6 marks)

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4

- EULA.
- Open source.
- Licence costs.

(6 marks)

This image shows a single 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.

5 Explain **how** each of the following OS features are used to meet the needs of users with visual/sight impairment.

- Magnifier.
- Screen reader.

(4 marks)

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6 A 'database' is a type of application software.

State **four** other types of application software. Do **not** use brand names in your answer.

(4 marks)

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7

- Identity theft.
- Fraud.

(6 marks)

[illegible]

8

(4 marks)

- 9 State **two** types of software vulnerabilities in a computer system. (2 marks)

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- 10 Explain one advantage when using **each** of the following types of backup hardware in an organisation.
- Network Attached Storage (NAS).
  - Tape drive.
- (4 marks)

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- (6 marks)

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- (4 marks)

13 Explain how **each** of the following types of documentation can be used to support users of an enterprise system.

- Policies.
- Guidelines.
- Frequently Asked Questions (FAQs).

(6 marks)

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- 14 You are the administrator in a sports club and want the board to approve a computer system to be used by the staff to create marketing material for the club in its advertising. You have been asked to prepare a report for the board outlining what the system should have and how it would be implemented.

Discuss what would be included in the report you will submit to the board about the processes to be undertaken in the project.

(9 marks)

- Discuss what would be included in the document you will submit to the board considering what would be required in the system and how it would be implemented.

(9 marks)