



5220-520 MARCH 2022

Level 2 Technical Award in Digital Technologies

Level 2 Digital Technologies – Theory Exam

If provided, stick your candidate barcode label here.

Monday 21 March 2022
09:30 – 12:00

Candidate name (first, last)

First

[illegible]

Last

[illegible]

Candidate enrolment number

--	--	--	--	--	--	--

Date of birth (DDMMYYYY)

--	--	--	--	--	--	--	--

Gender (M/F)

5


Assessment date (DDMMYYYY)

--	--	--	--	--	--	--	--

Centre number

--	--	--	--	--	--	--

Candidate signature and declaration*

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

0	0
---	---
- 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 List **four** Acts of Parliament that affects the use of digital technologies. (4 marks)

- 2 Explain how **each** of the following types of specialist software are commonly used.
- Audio.
 - Visual.
 - Graphics.
- (6 marks)

3

- .pdf
- .xlsx
- .odf

(6 marks)

[illegible]

4

- Wi-Fi.
- Cellular.

(4 marks)

[illegible]

5 State **four** characteristics of a target audience.

(4 marks)

6 Explain how **each** of the following risks to an individual associated with digital communications, can be prevented.

- Phishing.
- Grooming.
- Cyber bullying.

(6 marks)

7 Explain how **each** of the following types of software are used by a business to communicate content for marketing its products.

- Desktop publishing.
- Messaging.

(4 marks)

8 State **four** file formats that can be used by image processing software.

(4 marks)

9 Explain one use for **each** of the following when representing numerical data.

- Line graphs.
- Pie charts.

(4 marks)

10 Explain one benefit for **each** of the following file types that can be used by an organisation.

- .mp3
- .flac
- .mp4

(6 marks)

- (6 marks)

- (4 marks)

13 Define **each** of the following legal terms.

- Plagiarism.
- Patent.

(4 marks)

- 14 A helicopter company, which customises aircraft have asked you to design a database to store information about customers' details, requirements, diagrams and certificates of air worthiness.

Discuss what you would consider when designing a database to meet this requirement.

(9 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.

The garden centre would like you to raise awareness of the opening using their existing website.

(9 marks)