





## 5220-520 MAY 2018 Level 2 Technical Award in Digital Technologies

Level 2 Technical Award in Digital Technologies – Theory Exam

If provided, stick your candid barcode label here.	Tuesday 22 09:30 – 12:	2 May 2018 :00
Candidate name (first, last)		
First		
Last		
Candidate enrolment number	Date of birth (DDMMYYYY)	Gender (M/F)
Assessment date (DDMMYYYY)	Centre number	Candidate signature and declaration*
<ul> <li>If any additional answer sheets at Please ensure that you staple at booklet, clearly labelling them wand qualification number in BLO.</li> <li>All candidates need to use a bla.</li> <li>If provided with source document and will be shredded. Do not was a black that I had no prior kand that I will not divulge to a second control of the provided with source document and will be shredded.</li> </ul>	dditional answer sheets to the ith your full name, enrolment of CK CAPITALS.  Ick/blue pen. Do not use a points, these documents will not rite on the source documents inowledge of the questions.	ne <b>back</b> of this answer number, centre number  pencil or gel pen.  t be returned to City & Guilds, s.  s.  is in this assessment

## **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.
- Write all your working out and answers in this booklet.

1	State one image file extension for <b>each</b> of the following.  Compressed file.  Uncompressed file.	(2 marks) 
2	Describe one advantage and one disadvantage of using a network.	– (4 marks) –
3	State <b>two</b> network topologies used for creating a network.	(2 marks)

4	Explain the <b>main</b> purpose of <b>two</b> network protocols.	(4 marks)
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5	Explain <b>three</b> different methods that can be used to secure a network.	(6 marks)
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Describe one action that can be taken to reduce the impact of cyberbullying on an individual.	(2 ma
Explain the purpose of the Copyright, Designs and Patents Act.	(2 m
Explain <b>two</b> advantages of using VOIP for digital communication.	(4 m

9	a)	State <b>two</b> principles of the Data Protection Act 1998.	(2 marks)
			-
	b)	Describe how an organisation can comply with the <b>two</b> principles stated in Question 9a).	- (4 marks)
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10	Sta	te <b>two</b> ways image editing software can be used to improve an image.	(2 marks)
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11	Describe how vector and raster images are created.	(4 marks)
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12	Explain one advantage for the use of <b>both</b> vector and raster images.	(4 marks)
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13

)	State <b>two</b> different types of graph/chart that can be used to display information to a large business audience.	(2 marks
))	Describe <b>two</b> features of <b>each</b> of the graph/chart types stated in Question 13a) that make it useful for large business audiences.	(4 mark

14 a)

engage with audiences.

(2 marks)

b) Describe how the **two** types of content stated in Question 14a) can be used to engage with an audience.

State **two** different types of digital content used within websites/e-mails to

(4 marks)

15 State **four** sources used for obtaining **secondary** data.

(4 marks)

•	Flat file. Relational.	(4 ma
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16 Describe one advantage for **each** of the following **two** file structures that may be

Discuss the skills required to use the software.	(12 m