



Please write clearly in block capitals.

Centre number

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Candidate number

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Surname

Forename(s)

Candidate signature

Level 3 Technical Level

ENTERTAINMENT TECHNOLOGY

Unit 2 Digital Asset Management

Friday 25 January 2019

Afternoon

Time allowed: 2 hours

Materials

For this paper you must have:

- pens
- pencils
- simple drawing instruments
- scientific calculator (non-programmable).

Instructions

- Use black ink or black ball-point pen.
- Fill in the boxes at the top of this page.
- Answer **all** questions.
- You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
- Do all rough work in this book. Cross through any work you do not want to be marked.

Information

- The marks for questions are shown in brackets.
- There are two sections in this paper.
- Both sections should be attempted.
- The maximum mark for this paper is 80. There are 50 marks for **Section A** and 30 marks for **Section B**.
- Candidates should spend approximately 60 minutes on **Section A** and 60 minutes on **Section B**.

Advice

Please read each question carefully before starting.

For Examiner's Use	
Question	Mark
01–08	
09	
10	
11	
12	
13	
14	
15	
16	
17	
TOTAL	



J A N 1 9 T 5 0 7 6 6 1 1 0 1

Section AAnswer **all** questions in this section.**Total for this section: 50 marks**Tick (✓) the box next to the correct answer for questions **01** to **08**.**0 1**Which **one** of the following is **not** a type of data storage media?**[1 mark]****A** Flash☐**B** MTBF☐**C** Optical disk☐**D** Tape☐**0 2**Which **one** of the following is considered a type of work under Ownership and Copyright legislation?**[1 mark]****A** Attribution☐**B** Broadcast☐**C** File sharing☐**D** Repository☐

0 3

Which **one** of the following is an open source method commonly used for audio compression?

[1 mark]

A Longevity

☐

B Vorbis

☐

C VP8

☐

D SCSI

☐**0 4**

Which scenario is most likely to result in having to replace all the hardware that stores data?

[1 mark]

A An attack by a hacker.

☐

B A power cut.

☐

C A severe fire.

☐

D Industrial action by employees.

☐**0 5**

Which **one** is a distributed type of version control?

[1 mark]

A CVS

☐

B GIT

☐

C RCS

☐

D SVN

☐**Turn over ►**

0 6

Which **one** of the following is a raster graphics file format?

[1 mark]

A ASCII

☐

B Graphics Interchange Format

☐

C LaTeX

☐

D Open Document Drawing

☐

0 7

Which **one** of the following is a cumulative backup of all changes made since the last full backup?

[1 mark]

A Differential

☐

B Incremental

☐

C MTBF

☐

D Unstructured

☐

0 8

Which of the following is **not** a feature of digital rights management?

[1 mark]

A Code that automatically updates to the latest version.

☐

B Code that dictates the number of devices on which the media can be installed.

☐

C Code that prevents copying.

☐

D Code that specifies a time period in which content can be accessed.

☐

8



0	9
---	---

Standard bodies exist to encourage interoperability.

0	9	.	1
---	---	---	---

Explain the term 'interoperability'.

[2 marks]

0	9	.	2
---	---	---	---

Name **two** standard bodies and for each one describe their function.

[4 marks]

6

Turn over for the next question

Turn over ►



1	0	.	1
---	---	---	---

Describe **three** benefits of using a version control system.**[3 marks]**

1	0	.	2
---	---	---	---

Describe **three** characteristics of a distributed version control system.**[3 marks]**

6



1	1
---	---

Explain the following terms in relation to version control.

1	1	.	1
---	---	---	---

Forking

[3 marks]

1	1	.	2
---	---	---	---

A pull request

[3 marks]

6

Turn over for the next question**Turn over ►**

1	2	.	1
---	---	---	---

Explain **three** benefits of using remote backup as part of a data backup strategy.**[3 marks]**

1	2	.	2
---	---	---	---

Explain the term 'recovery time objective'.

[3 marks]

6



1	3
---	---

Describe **one** method to reduce the loss of data for each of the following.

1	3	.	1
---	---	---	---

Unintentional action

[2 marks]

1	3	.	2
---	---	---	---

Crime

[2 marks]

1	3	.	3
---	---	---	---

System failure

[2 marks]

6

Turn over for the next question

Turn over ►



1	4
---	---

The concept of 'fair use' exists within UK copyright law.

1	4	.	1
---	---	---	---

State **three** types of work that are covered by copyright law.

[3 marks]

1	4	.	2
---	---	---	---

Explain the term 'fair use' in this context.

[3 marks]

6



1 5

Describe the main features of the following in relation to the Creative Commons license.

1 5 . 1

Attribution

[2 marks]

1 5 . 2

Share-alike (copyleft)

[2 marks]

1 5 . 3

Non-commercial

[2 marks]

6

Turn over for the next question

Turn over ►



Section B

Answer **all** questions in this section.

Total for this section: 30 marks

1 6

Hamid runs a small photo restoration business on the south coast. He uses graphic editing software to enhance hardcopy images brought to him by customers. When Hamid has finished restoring the images, he returns the hardcopies to the customer and provides them with a digital version to take away. He also, with customer approval, keeps copies of all the images he has restored on his desktop computer.

1 6 . 1

Hamid's desktop computer hard drive is almost full.

State **four** properties of alternative physical data storage that Hamid should consider when purchasing storage for his business requirements.

Briefly describe the importance of each property stated.

[8 marks]



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outside the
box*

1	6	.	2
---	---	---	---

Hamid has given CDs to his customers for many years. He is now considering changing to some form of flash storage instead.

Evaluate with recommendations whether Hamid should continue using CDs or if he should switch to using flash storage instead.

[7 marks]

[illegible]

15

Turn over for the next question

Turn over ►



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1	7
---	---

Dinah has been asked to produce a short video to be uploaded to the internet. The content of the video will promote a new range of organic soap. The final production should include the following assets:

- audio
- video footage
- animations
- still graphics/images.

1	7	.	1
---	---	---	---

Recommend a file format for **each** asset before the final production is exported into a container file.

Give a reason for each recommendation.

[8 marks]

[illegible]

1 7 . 2 Dinah wants to save the final production as an MP4.

Suggest why she would decide to use this option.

[3 marks]

1 7 . 3 Before the development of computer-based tools, Dinah would have had to use alternative methods to promote the product. This might have been to produce an advert for TV or create a poster, and this would have required assets being stored in non-digital form.

Complete column 3 in the table below to explain a potential problem of each asset storage method.

[4 marks]

Asset	Storage method	Potential problem
Drawings	Paper in folders	
Songs	Vinyl	
Photographs	Camera film	
Video	VHS cassette	

15

END OF QUESTIONS



There are no questions printed on this page

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ANSWER IN THE SPACES PROVIDED**

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