

Please write clearly in	block capitals.		
Centre number		Candidate number	
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

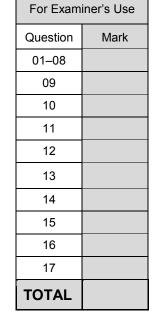
- Use black ink or black ball-point pen.
- Fill in the boxes at the top of this page.
- · Answer all questions.
- You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
- Do all rough work in this book. Cross through any work you do not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



	Z	
	Section A	
	Answer all questions in this section.	
	Total for the	nis 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 O Copyright legislation?	wnership and [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 data?	e hardware that stores [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	



0 6	Which one of the following is a raster graphics file format?		outside the box
		[1 m	ark]
	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 change full backup?	s made since the l	ast
		[1 m	ark]
	A Differential		
	B Incremental		
	C MTBF		
	D Unstructured		
0 8	Which of the following is not a feature of digital rights managem		uark]
	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.		
	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]
		[Z marks]
0 9.2	Name two standard bodies and for each one describe their function.	[4 marks]
	Turn over for the next question	



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]
		_



1 1	Explain the following terms in relation to version control.	
1 1.1	Forking [2 marks]	
	[3 marks]	
1 1 . 2	A pull request [3 marks]	
	Turn over for the next question	
	rum over for the next question	



1 2.1	Explain three benefits of using remote backup as part of a data backup stra	ategy. [3 marks]
	Explain the term 'recovery time chiestive'	
1 2 . 2	Explain the term 'recovery time objective'.	[3 marks]



1 3	Describe one method to reduce the loss of data for each of the following.	
1 3.1	Unintentional action	50 a 1
		[2 marks]
1 3.2	Crime	[O manufact
		[2 marks]
1 3.3	System failure	[2 marks]
		[2 marks]
	Turn over for the next question	
	rum over for the next question	
1 3.3	System failure Turn over for the next question	[2 marks]



	10	
1 4	The concept of 'fair use' exists within UK copyright law.	Do not write outside the box
1 4.1	State three types of work that are covered by copyright law. [3 marks	s]
		_
		_
		_
		_
1 4 . 2	Explain the term 'fair use' in this context.	
	[3 marks	s]
		_
		_
		- 6



1 5	Describe the main features of the following in relation to the Creative Commons license.	
1 5.1	Attribution [2 mar	rks]
1 5.2	Share-alike (copyleft) [2 mar	rks]
	Non communicat	
1 5 . 3	Non-commercial [2 mar	rks]
	Turn over for the next question	

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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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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]			

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Turn over for the next question





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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]



1 7 . 2	Dinah wa	nts to save the final pro	duction as an MP4.	
	Suggest	why she would decide t	· · · · · · · · · · · · · · · · · · ·	
			[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.			
	otorago n	iourou.	[4 marks]	
Asset		Storage method	Potential problem	
Drawings		Paper in folders		
Drawings Songs		Paper in folders Vinyl		
-	s			
Songs	s	Vinyl		



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