



AQA Level 3 Technical Level Entertainment Technology: Video Games Art and Design Digital Asset Management

Unit Number: T/507/6611

Specimen Question Paper

Time allowed: 2 hours

Instructions

- Use black ink or black ball-point pen.
- 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

- There are two sections to this paper.
- Both sections should be attempted.
- Learners should spend approximately 60 minutes on Section A and 60 minutes on Section B.
- There are 80 marks available on this paper.
- The marks for the questions are shown in brackets.

Advice

- Please read each question carefully before starting.

Please write clearly, in block capitals, to allow character computer recognition.

Centre number Learner number

Surname

Forename(s)

Learner signature _____

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Section A

Answer **all** questions in this section**Total for this section: 50 marks**In the multiple choice questions, only **one** answer per question is allowed.

For each answer completely fill in the circle alongside the appropriate answer.

CORRECT METHOD WRONG METHODS    If you want to change your answer you must cross out your original answer as shown. If you wish to return to an answer previously crossed out, ring the answer you now wish to select as shown. **0 1**

Which one of the following compression algorithms is lossy?

- A VP8 encoding
- B Lempel-Ziv encoding
- C Runtime length encoding
- D Lempel-Ziv-Welch encoding

[1 mark]**0 2**

Which of the following file formats would be most appropriate for storing architectural drawings?

- A GIF
- B BMP
- C SVG
- D PNG

[1 mark]**0 3**

Which one of the following file formats is lossy?

- A SVG

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B MP3

C FLAC

D HTML

[1 mark]

0 4

Which one of the following best describes how you would create a copy of a Git repository?

A Fork the repository

B Push the repository

C Submit a branch request to the repository

D Submit a pull request to the repository owner

[1 mark]

0 5

Which one of the following statements is true?

A Git operates on a client-server model

B All Git repositories are visible to anyone

C Git is a distributed revision control system

D Git requires at least two computers to operate

[1 mark]

0 6

When should differential backups be made?

A Daily

B Weekly

C Monthly

D Whenever you like

[1 mark]

0 7

Which one of the following statements is true?

A GPL software may not be charged for

B Public domain software has no copyright attached to it

C All works shall be copyrighted for at least 50 years after the author's death

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D Model Release is not required for commercial use of public domain images

[1 mark]

0 8

Which of the following Creative Commons licenses is also known as copyleft?

A Attribution (BY)

B Share-alike (SA)

C Non-commercial (NC)

D No Derivative Works (ND)

[1 mark]

0 9

Write the number of characters in the phrase

The quick brown fox jumps over the lazy dog

as a) a decimal constant, b) a binary constant and c) a hexadecimal constant

a) Decimal:

[2 marks]

a) Binary:

[2marks]

b) Hexadecimal:

[2 marks]

1 0

Which of the following file formats are most often used for raster images, which are most often used for audio and which are most often used for video:

AIFF, BWF, FLAC, GIF, PNG, YUV

Write your answers in the appropriate column in the table below:

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Raster Images	Audio	Video

[6 marks]

What benefits can be expected from using an ISO standard?

1 1

[6 marks]

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1 2

Describe the typical operations for modifying the contents of a Git repository.

[6 marks]

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1 3

Describe three causes of data loss.

[6 marks]

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1 4

Compare and contrast three types of storage media suitable for long-term backup.

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1 | 5

Identify six different types of copyright works as described by the Copyright, Designs and Patents Act 1988.

[6 marks]

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**DO NOT WRITE ON THIS PAGE
ANSWER IN THE SPACES PROVIDED**

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Section B

Answer **both** questions in this section

Total for this section: 30 marks

1 7

A small business creates art, animation and movie assets for a number of clients around the world. Projects run for between two and six weeks. It employs twenty content creators, and generates about eighty gigabytes of data a week. Employees copy the latest version of their work to a common server at the end of every working day.

a) Describe the benefits of using a version control system

[5 marks]

b) Compare the use of a client-server version control system with a distributed version control system, and recommend a version control strategy.

[10 marks]

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1 | 8

The building that the business occupies has a basement area that is used for housing the servers. The owner of the business performs a complete backup of the servers once a month and an incremental backup once a week. The backups are kept in a fire safe in the server room.

a) Describe how the business might recover from a flood in the basement.

[3 marks]

b) Describe any shortcomings of the business's current backup regime.

[4 marks]

c) Outline the most appropriate backup routine the business should implement.

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[8 marks]

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