



VCE VET Multimedia

Computer-based examination – November

Revised Sample Questions

The 2004 sample examination questions (VCAA Bulletin, Supplement 4, March 2004) have been updated to reflect the Revised Examination Advice 2005–2006 (VCAA Bulletin, Supplement 1, June 2005). Many of the questions remain the same and some others are drawn from previous examinations.

Note: some sample questions may relate to more than one unit of competence.

CUFMEM07A Apply principles of visual design and communication to the development of a multimedia product

Question 1

The resolution at which vector artwork displays is based on

- A. its dpi.
- B. the total number of pixels.
- C. the input device which created it.
- D. the output device that displays it.

Question 2

To display an image correctly on an 8 bit monitor you would have to use

- A. a tiff image.
- B. a rgb image.
- C. an alpha channel.
- D. an indexed colour image.

Question 3

Selecting part of a picture and discarding the rest is known as

- A. sizing.
- B. filtering.
- C. cropping.
- D. transforming.

Question 4

A style guide is

- A. a file that contains a style sheet.
- B. a document that describes all elements on a single web page.
- C. a group of classes that determine font, font colour and font size on a web page.
- D. a document that describes the stylistic attributes of an organisation's publications.

Question 5

A 7 bit image contains

- A. 64 colours.
- B. 128 colours.
- C. 257 colours.
- D. 512 colours.

Question 6

When you construct a web page entirely yourself, for yourself, who owns the copyright for the visual design?

- A. you
- B. the web site host
- C. the visual design is copyright free after 90 days
- D. the software company whose graphics software you used

Question 7

Which of the following is an example of a lossy image format?

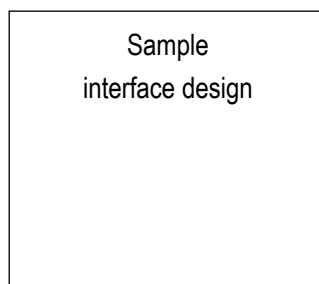
- A. TIFF using LZW compression
- B. JPEG of medium quality
- C. GIF without dithering
- D. All of the above.

Question 8

Which one of the following is **not** a visual design element?

- A. line
- B. icon
- C. point
- D. shape

Question 9



Identify and describe two ways typography has been used effectively in the sample shown above.

2 marks

Question 10

What is 'lossy' compression and what is it used for?

1 + 1 = 2 marks

Question 11

Explain the **design element** or the **design principle** that best represents a pair of pictures. Identify one graphic attribute, common to each picture, to justify your choice.

2 marks

Question 12

Briefly describe how the following principles relate to multimedia as an animation/web page development.

- a. visual clues in design
- b. consistency in design
- c. efficiency in design

1 + 1 + 1 = 3 marks

Question 13

Your client has developed a generic interface for their web site.

The client has since identified two distinct target user groups.

- young people looking for xyz information
- elderly retired people looking for xyz information

Your client wishes to provide an interface that adjusts to the users' needs.

Describe **three** design changes to the interface that would be appropriate for elderly users. Justify each change.

2 + 2 + 2 = 6 marks

Question 14

Describe **two** differences between a rough sketch and a storyboard.

1 + 1 = 2 marks

Question 15

Place the following stages of preproduction of a printed flyer in the correct order.

- design brief
- client meeting
- draft layouts
- colour selection

1 mark

Question 16

You are creating a new web site for a client. You have found an image on a clip art site that you would like to use. Read the usage guidelines below.

Usage Guidelines

In utilising the ABC Clipart site you are permitted to use, modify, and publish the content subject to the following restrictions.

You are permitted to use the content, including online use and multimedia applications, as long as all of the following conditions are met:

- the images are incorporated for viewing purposes only
- the images do not comprise a large portion of the content of the application
- no permission is given by you to download and save the images for any reason

You are not permitted to:

- redistribute the content as stock photography, clipart, web art or multimedia
- use any of the photo or clipart images for any commercial purposes
- create obscene or scandalous works, as defined by the Federal Government at the time the work is created
- use the content or any modification of the content

Can you use this image on your web site? Give reasons for your response.

2 marks

2D Animation

Question 1

Which of the following file formats delivers vector-based animation on the web?

- A. animated GIF
- B. AVI
- C. EPS
- D. SWF

Question 2

Tweening is the process of

- A. animating an object to make it spin.
- B. joining pieces of animation with a fade or slide.
- C. generating frames between key frames to animate an object.
- D. duplicating frames and moving an object slightly in each to make it move.

Question 3

In an animated sequence 'fade in' and 'dissolve' are examples of

- A. motion.
- B. morphing.
- C. transitions.
- D. transformations.

Question 4

A RGB image is typically

- A. 8 bit.
- B. 24 bit.
- C. 32 bit.
- D. 64 bit.

Question 5

The dissolve transition is generally used to indicate

- A. the end of a camera shot.
- B. the start of a camera shot.
- C. the lapse of time between camera shots.
- D. two camera shots as being quite separate.

Question 6

A junior animator has been asked to quickly develop a short 2D animation in the most easily viewed web format. Which of the following formats is most appropriate?

- A. AVI
- B. GIF
- C. HTML
- D. MPEG

Question 7

Anti-aliasing of bitmapped images

- A. decreases the images size.
- B. improves the colour of images.
- C. reduces rough edges or jaggies.
- D. gives the images a textured look.

Question 8

When working in a commercial setting, why is it important to create a storyboard before beginning on animation? Give **three** reasons.

1 + 1 + 1 = 3 marks

Question 9

Describe the difference between 'motion tweening' and 'shape tweening'.

2 marks

ICPMM65DA Create web pages with multimedia

Question 1

Uploading files to a web site on the World Wide Web is usually done using which protocol?

- A. eftp
- B. ftp
- C. htp
- D. http

Question 2

What is the correct HTML code for making a hyperlink?

- A. ` outstandingdesign `
- B. ` outstandingdesign `
- C. `<a name http://www.outstandingdesign.com.au "> outstandingdesign `
- D. `<a>http:// http://www.outstandingdesign.com.au `

Question 3

Your client is happy with the look and has signed off on the final content of the web site developed for them. What is the most important thing for you to do next?

- A. Spell check the content and upload to the web.
- B. Draw up a flowchart to give to the client as documentation.
- C. Validate the page to ensure it is readable in a range of browsers.
- D. Upload the page and see if anyone complains if it does not work correctly.

Question 4

Search engines are used on the World Wide Web to identify

- A. paid up sites.
- B. pages considered most valuable by editors.
- C. those sites most visited as rated by site hits.
- D. sites that match one or more search parameters.

Question 5

Describe the conversion of a high quality digital photo saved as a Tiff to a format suitable for use on the web page.

4 marks

Question 6

- a. In HTML, what does the attribute NAME in the `<a>` (anchor) tag do?
- b. Name another commonly used attribute in this tag?

1 + 1 = 2 marks

ICPMM15DA Develop a multimedia script

Question 1

A mark-up language is the process of adding codes to a document

- A. to describe its structure and format.
- B. to aid interaction with its structure and format.
- C. to give functionality to its structure and format.
- D. to manipulate operators, regular expressions, variables and arrays.

Question 2

When a web page is loaded, which event handler performs an action?

- A. Body
- B. Onload
- C. Onchange
- D. Onfocus

Question 3

The <SCRIPT> tag can occur

- A. once only in the head of a page.
- B. many times only in the body of a page.
- C. only in the head of a page and in event handlers.
- D. many times in the head or in the body of a page.

Question 4

The most significant difference between local and global variables is

- A. the type of procedure the variable can use.
- B. the name you use to reference them.
- C. the type they can represent.
- D. their scope.

Question 5

Which of the following is **not** a sound file format?

- A. .AIF
- B. .MID
- C. .PNG
- D. .WAV

Question 6

Which of the following is **not** a feature of an algorithm?

- A. follows strict rules of syntax
- B. has clearly defined rules for setting out
- C. is independent of programming languages
- D. completely defines all the steps in the program

Question 7

You have been asked to review a multimedia game with a variety of inputs. What is a difference between verification and validation, in this context?

2 marks

Question 8

Describe two ways that good documentation techniques improve efficiency in scripting.

2 marks

Question 9

- a. Give **two** reasons to optimise files for download from a web site.
- b. Name and describe **two** processes used to optimise web site files.

2 + 4 = 6 marks

Question 10

Select your preferred scripting language:

- Flash
- Actionscript
- Lingo

Sample of script for
selected language

- a. What action does the script shown above perform?
- b. Identify one error in the script shown above.

1 + 2 = 3 marks

CUFWRT05A Write content and or copy

Question 1

The first step in writing copy for a site is to

- A. decide on text colours.
- B. write all the page titles.
- C. identify target user groups.
- D. work out how much space there is in each page.

Question 2

Which of the following should be avoided when writing content for global web sites?

- A. clichés
- B. repetition
- C. short points
- D. factual reporting

Question 3

The following advice is provided in a guide to writing for the web:

*‘Make the word count for the online version of a given topic about **half the word count** used when writing for print’*

Explain why it is important to reduce the number of words used when writing for a web site.

2 marks

Question 4

- a. What is meant by ‘a distinct target audience’?
- b. Describe **two** ways you would tailor content to this audience.

1 + 1 = 2 marks

Question 5

Describe **two** attributes of good advertising copy.

2 marks

Question 6

The following three paragraphs of text describe the same product.

Select **one** example and describe the style of writing used (refer to the likely target audience and purpose of the text in your response).

Kitchenmaid – T1 Toaster

The T1 toaster is ergonomically engineered for ease of use. It has been constructed with a strong plastic outer shell for durability and long life. Its simple lines ensure it is easy to clean. It is available in a variety of colours. The toaster accommodates bread, waffles and bagels. The range of browning settings ensures perfect results every time.

Kitchenmaid – T1 Toaster

You will love the sleek lines of the T1 Toaster. The toaster combines a range of features to accommodate all your toasting needs with unique retro styling. Designed to look great in your kitchen, the toaster comes in five fabulous colours. Imagine sitting down to perfectly toasted piping hot waffles, crusty toasted bread or golden toasted bagels for breakfast.

Kitchenmaid – T1 Toaster

Double-slot digital toaster with 11 browning settings
Polycarbonate housing resists stains, discoloration, and warping
Extra-large slots accommodate bread, waffles and bagels

2 marks

Example of practical task

You have been asked to create a promotional web page for a new children's computer game.

The page must include a short animated sequence with the main character Bob the Bunny.

You have been provided, a picture of the cast for the front page, some text describing the game and some body parts of Bob for the animation.

Create the animation

Create the animation in Flash or Director. Your animation must work in a browser and you will need to add it to your web page in a later stage. Include a storyboard of a bouncing bunny.

1. Create a background of grass and sky.
2. The animation should run for three seconds and will loop.
3. Import the bunny parts (body and two ears) and place on the left of the screen.
4. The bunny should bounce three times from the left of the stage to the right.
5. As the bunny bounces his ears flop up and down.
6. Add the bounce sound each time the bunny lands.
7. Output in a format to include in the web page.

Create the web page

8. Create a HTML page named index.htm.

Add a picture

9. Open the picture of the cast, resize to 200 pixels wide by 100 pixels high. Save as cast.gif.
10. Include the resized picture in the page.

Prepare the copy

11. Open the text in bobtext.txt. The text is too long for the page. Rewrite the text in point form in approximately half the number of words.
12. Add the text to the page.

Add the animation

13. Include the animation.