

Question 11 (1 mark)

How could a .wav file be optimised for use on the web?

Using HTML the .wav file could be used to ~~make~~ ^{play} a noise whenever a button is clicked.

1

Question 12 (2 marks)

Compare downloading and streaming video.

Downloading a video is the action of receiving and storing a video file on a hard drive, where it will remain until deleted by the user. Streaming is constantly downloading video that is stored temporarily and is automatically deleted after a certain amount of time.

2

Question 13 (2 marks)

What are the advantages of using cascading style sheets when developing websites?

2

CSS is much more lucrative to work with and allows the designer more freedom when creating a website. It is much easier to create an aesthetically pleasing website ~~the~~ when compared to coding by hand.

Question 14 (3 marks)

Identify TWO types of video compression and describe an advantage of each.

3

One type of video compression is the conversion to a flash based (usually .swf) ~~format~~ format. While quality is reduced the file size is drastically cut down as well, making it perfect to make available online. Another is reducing the resolution of the video slightly so that the image is smaller but audio quality remains the same and the file size is also reduced.

Question 15 (3 marks)

Discuss the suitability of using vector and bitmapped images in a multimedia presentation. 3

Depending on the nature of the presentation both types of images could be suitable. For example vector images are typically smaller and much more simple images than those that are bitmapped, but however can be scaled to any size making them perfect for things such as powerpoint presentations. Bitmapped images are usually much larger files than vector images, and due to this increase in size and quality would be suitable in photoshop productions such as banners or posters as well as websites with high quality images.

Question 16 (4 marks)

Describe the procedures that need to be followed by a web designer when constructing a website.

4

A web designer must first create story boards that detail the basic layout of all the web pages as well as the navigation through out the site like what pages link to what. Then the designer must finalize the aesthetics such as colour scheme before any actual coding may begin. Once the code has been implemented then the graphics may be produced which will be used by the website for buttons, backgrounds, banners, etc. It is only once all this is done that the actual content that the website is regarding may be added, and then comes bug testing and finalization.