



Grade:

/ 13

Media Types - 2

Name: _____

Answer the questions below in the spaces provided.

1. A group of friends are working together to produce a multimedia project for their Computing class. Greg has been assigned as the team leader.
 - a) Greg's first task is to assign a job to each of his team-mates. He types up a list of jobs in a word processor and sends it via an e-mail attachment to the group. Greg has saved the file in the docx format used by Microsoft Word.

Here is a sample of the document:

Multimedia Project: Jobs

- Greg - Team Leader
- James - Photographer

- (i) Why you would recommend that Greg uses a *standard file format* when he sends the e-mail attachment rather than a docx Word file. (1)

- (ii) State **one** standard file format Greg could have used instead of docx. (1)

- b) James has been given the job of taking all the photographs for the project. He must save these photographs to his computer in order to show the rest of the group.

- (i) James has decided to save his photos in bmp format. Explain why James would choose to save his photos in this format. (1)

- (ii) Saving the photos as jpeg files instead may create a lower quality image. State why James may still wish to use the jpeg format. (1)

1. c) It is Jennifer's job to gather all the required sounds for the multimedia project. She could save the files as wav files or mp3 files.

Describe **one** advantage of saving the files using each of the standard file types. (2)

- d) Emma is responsible for capturing the video to be used in the project. She lives far from the rest of the group, so was planning to send her files to Greg using the Internet.

(i) Why would she wish to use a compressed file to transmit video data over the Internet? (1)

(ii) State a suitable file type for this purpose. (1)

- e) Having gathered the rest of the files, it is Greg's job to type up the final report and upload it to the Internet. The uploaded document will be a *portable document format* file containing text and graphics.

State **one** advantage gained by uploading the report as a portable document format file. (1)

- f) As part of their project evaluations, the group realised that there were several things they could have done differently.

(i) James stored his photographs as jpegs. State **one** other file type could he have used and describe **one** way this file type differs from a jpeg file. (2)

(ii) Even after using compression, Emma's video file were too large to send quickly over the Internet.
Describe **two** other ways Emma could have reduced the file sizes, without shortening the length of the video. (2)
