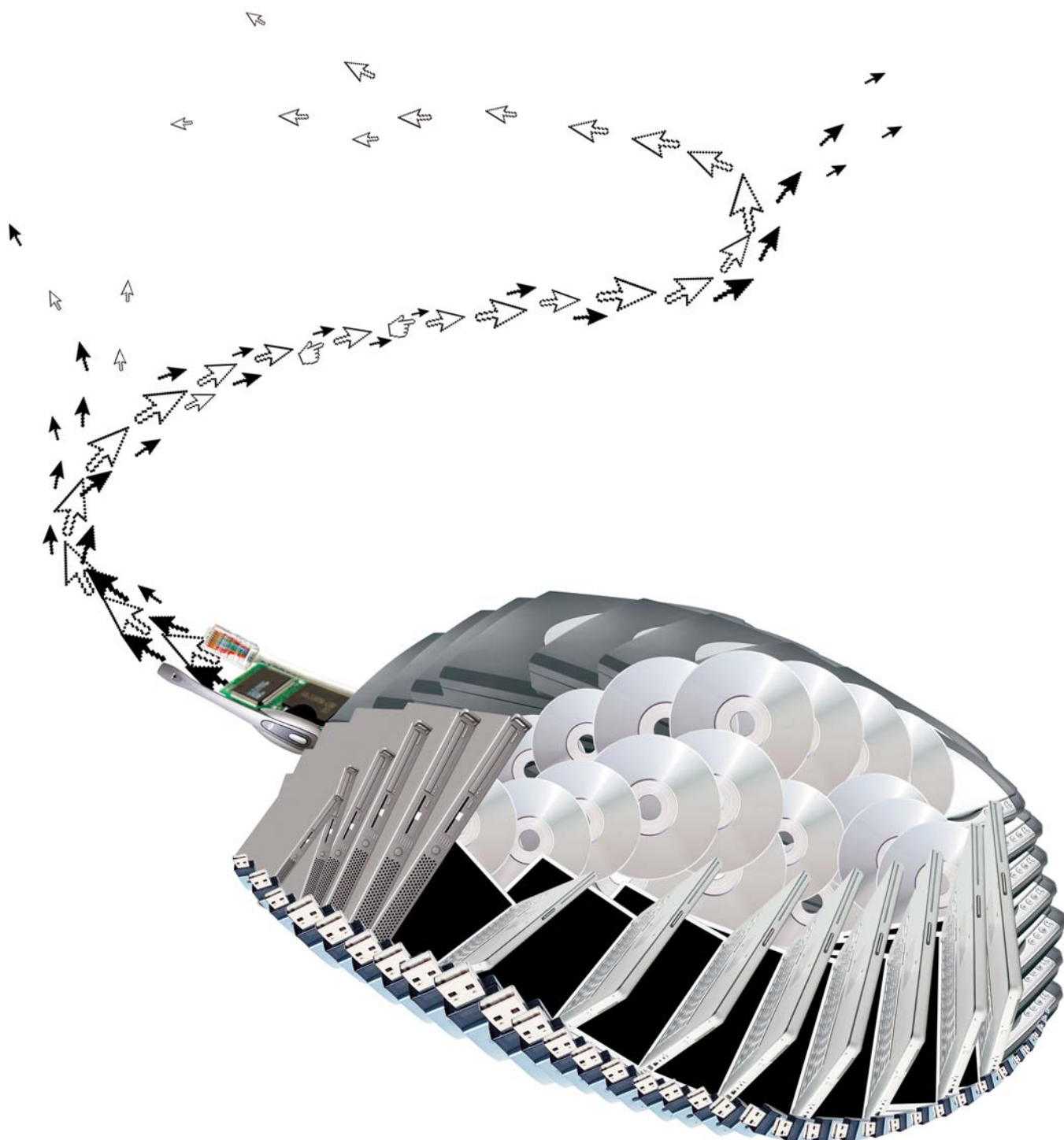


SPECIMEN PRELIMINARY MATERIAL

UNIT 1 - THE POTENTIAL OF TECHNOLOGY





Level 2 Diploma Principal Learning

Information Technology INF2U1/PM

Unit 1 The potential of technology

Specimen Preliminary Material

To be opened and issued to candidates on (date) or as soon as possible thereafter.

INF2U1/PM

What you have to do

As an **individual** ie without assistance from another student or anyone else, other than your subject teacher(s)/lecturer(s) you must carry out the required research to complete the **four** Tasks given at the end of this Preliminary Material. As an **individual** you must then write up notes on your research into these Tasks. Your notes must **not** be taken into the examination room. A second, clean copy of this Preliminary Material will be issued to you in the examination.

You can ask your teacher to explain anything that is in this Preliminary Material. Your teacher/lecturer may hold lessons based upon this Preliminary Material.

Background

Shout About It is a weekly magazine that reports on the Arts. They pride themselves on finding the 'new' and 'contemporary' art that exists and want to challenge their readers to view the arts from a different perspective. They are responsible for writing reviews on the following:

- new, up and coming bands
- films from young film makers
- political plays
- art exhibitions.

The magazine has an editor, a feature editor, a picture editor, a listings editor, 2 reporters (of whom one is a senior reporter) and a photographer. Jessica Lack is the senior reporter and she specialises in the reporting on the arts. She has recently become a mother. She doesn't want to give up work, but wants to spend more time at home with her son.

The Role of Jessica Lack

Jessica is responsible for reporting on new artists and art exhibitions. Galleries contact her at the office to inform her of the artists and exhibitions that are coming up. In addition to this she uses www.newexhibitions.com to find artists' work that she would like to write about. She goes to the exhibitions to interview the artists and photograph their work. She returns to the office to write her review. She also writes an arts blog for their website.

Technology used by *Shout About It*

Each member of staff has their own computer. The software used is:

- desktop publishing
- word processing
- image manipulation
- image viewing software
- video editing software
- podcast creation software
- presentation software
- spreadsheet software

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- HTML/Web design software

The office computers are set up on a LAN. Each computer has Internet access in order that they can be used to research different artists, as well as to keep in contact with different galleries, artists, theatres and each other through the use of email.

The office computers are protected by a firewall that prevents any outside network traffic from reaching the *Shout About It* LAN. In addition to this they do not have any mobile computers and the office computers are not allowed to be taken away from the office.

The reviews that are written are not only printed in the magazine, but uploaded to their website. The website also features blogs, images and audio podcasts.

On occasions the reporters are invited to give lectures about the arts they write about. They charge for this work and keep a record of what they lecture about, where they lecture and how much is charged. This information is then collated into an invoice.

Shout About It has approached you to advise them on how they can upgrade their systems in order that Jessica can continue to work for them, from home.

To prepare for the exam you will need to do the following tasks. Although you may make notes for your preparation, you will not be allowed to take them into the examination.

Task 1

Investigate how *Shout About It* and Jessica Lack use different technologies. You should consider:

- (a) the role of these technologies for both the magazine and Jessica;
- (b) how the magazine would operate without these technologies;
- (c) how having the technologies has impacted on *Shout About It* as well as on the employees and readers.

Task 2

- (a) Investigate the communication technologies used between:
 - (i) the magazine and their clients;
 - (ii) Jessica and the magazine.
- (b) Investigate how they would have communicated before these technologies existed.
- (c) You need to consider the benefits these technologies have had on *Shout About It*.

Task 3

Investigate the key components used within the *Shout About It* technology systems. You should consider:

- (a) input, output, processing and storage devices;
- (b) connectivity devices and services;
- (c) cabling;
- (d) other peripherals;
- (e) software.

Task 4

Investigate what technologies should be used in order to ensure that Jessica will be able to work from home. You should consider:

- (a) how these technologies will improve the way in which Jessica works;
- (b) the benefits of the technologies chosen to both Jessica and *Shout About It*;
- (c) the issues that need to be taken into consideration by *Shout About It* in setting up the new systems;
- (d) the impact that these systems will have on the magazine.

END OF PRELIMINARY MATERIAL