

General Certificate of Education
2011
Advanced Subsidiary and Advanced Level Award
3, 6, 9 and 12 Unit Award

**APPLIED INFORMATION AND
Unit 1 ICT and Society**

IT01/PM

Specimen Paper

AQA-set Assignment – Candidate Booklet

To be given to candidates on or after dateline

Time allowed:

- Investigation Time
- 15 hours under controlled conditions

This specimen is based on the June 2008 externally assessed assignment and has been modified to show how quality of written communication (QWC) will be incorporated into operational papers from January 2011.

Vertical black lines indicate a change or addition to the June 2008 version.

There are no discrete marks for QWC and in the final answer QWC will be one of the criteria used to assign a mark. Please refer to the appropriate mark scheme.

Unit 1: ICT and Society (IT01)

The Assignment – Candidate Booklet

Introduction

You should read this booklet together with the unit specification for *Unit 1: ICT and Society*. The work will be completed in two stages:

- investigation time, during which you will carry out preparatory work
- 15 hours of controlled conditions, during which you will complete your work.

There are 70 marks available for this assignment. This is the only form of assessment for this unit. This assignment will be marked externally.

You will be awarded marks according to the quality of the work you complete and of the quality of written communication you use. The quality of written communication will be assessed as an important part of item (k). In this item you will be marked in part, on your ability to use good English, to organise information clearly and to use specialist vocabulary where appropriate.

There are details of what you are required to produce in the *What you should hand in* section of this booklet.

1 The task

A local authority wishes to expand its website with a set of pages to promote environmental awareness. It has asked you to design the additional web pages. The local authority want the pages to cover the following issues:

- how **one** piece of ICT-related legislation could affect its residents
- how ICT systems are being used or could be used in each of the following areas:
 - waste reduction
 - refuse collection
 - public transport
 - energy useage
 - pollution
 - conservation

You should include details of benefits and any drawbacks to residents of each ICT system.

2 What you should hand in

When you have completed the assignment, you should hand in the following.

Completed during the investigation time:

- (a) A time plan to show how you initially intended to complete the work for this assignment (for both the investigation time and the 15 hours of controlled conditions). *(1 mark)*

- (b) Evidence to show understanding of the needs of the audience and how these will affect the content and layout requirements. *(up to 3 marks)*
- (c) The evaluation criteria for the web pages that will be used to assess suitability for purpose and audience. *(up to 3 marks)*
- (d) A bibliography of sources used for research. *(up to 3 marks)*
- (e) No more than three different possible draft designs for the layout and organisation of the set of web pages. *(up to 3 marks)*
- (f) Evidence of testing the suitability of your draft designs for the audience. *(up to 2 marks)*
- (g) The final annotated design. The annotation should show how the layout and content of the design are appropriate for the audience and purpose. *(up to 8 marks)*

Completed during the controlled conditions:

- (h) A screen shot taken at the start of controlled conditions, to show the file names and types of all of the files of researched material that you planned to use during the controlled conditions. *(1 mark)*
- (i) Screen shots of your set of web pages, annotated to show the facilities of the software used to implement the final design. *(up to 6 marks)*
- (j) Screen shots to show how the web pages were composed, cross-referenced to the files of researched material (h). *(up to 6 marks)*
- (k) A printout of all the final web pages that clearly shows the content.
*The quality of written communication will be assessed in this item
(the content of the web pages up to 21 marks)*
- (l) Acknowledgment of sources used in the web page content. *(up to 3 marks)*
- (m) An evaluation of the final set of web pages showing how they are suitable for the audience and purpose. Reference should be made to the evaluation criteria (c). *(up to 3 marks)*
- (n) An evaluation of your own performance in producing the web pages, explaining how you overcame any problems, referenced to the screen shots in (j), above. *(up to 3 marks)*
- (o) Your initial time plan (a), updated by hand, to show how you actually used your time during the investigation time and the controlled conditions. *(up to 2 marks)*
- (p) A screen shot to show the file names and types of all of the files of researched material used, annotated to show any amendments and additions to your initial list (h). *(up to 2 marks)*

(Total = 70 marks)

Examples of appropriate formats for use in a bibliography are given on page 6 of this booklet.

The work that you hand in should be organised in an appropriate order and page numbered. You should put your name, centre number and candidate number on each page. The work should be kept securely together e.g. using treasury tags. Plastic wallets and ring binders must **not** be used. Each of the items (a) – (p) should be clearly identified. Hard copies of research materials such as brochures or web page print outs should **not** be included.

3 The investigation time

The investigation time begins when you are handed this booklet. During the investigation time, you should carry out all the research, planning, designing and testing of designs needed for the assignment. Your research should ensure that the content of your web pages is accurate and up-to-date.

Your research may involve using resources such as:

- interviews with members of the audience
- books
- Internet websites
- CD-ROMs and/or DVDs
- newspapers and/or magazines
- television and/or radio programmes
- information leaflets
- documents.

You may also find it useful to look at examples of web pages, and other information aimed at a similar audience.

You need to show what research you have carried out by including a bibliography of the sources you have used. You should also remember that in your web pages you must declare the sources and dates of all material used (including quotes, pictures and diagrams) that you have not produced yourself.

By the end of the investigation time you should have:

- produced in **hard copy format** (i.e. printed or handwritten on paper) the items (a) – (g) of *What you should hand in*. These must be included in your preparatory folder, which should be handed in to your teacher before the start of the controlled conditions.
- prepared all of the content that you wish to include in your set of web pages. This must be submitted to your teacher in electronic format before the start of the controlled conditions. **All text must be in plain text files without formatting (eg .txt files)**. Pictures, diagrams and other images can be stored in an appropriate electronic format. No other files or material should be included.

4 **Preparatory folder**

This folder should contain, in hard copy format, all of the items (a) – (g) which you should have completed before you start your work under controlled conditions.

If you find that between controlled sessions you need additional content for your web pages you may give this to your teacher in electronic format and ask for it to be made available in any remaining sessions.

All material in your preparatory folder and in the electronic files of content that you ask to have available to you in controlled sessions, must be checked by your teacher before you can use it in controlled sessions. At the end of each controlled session, your teacher will collect in your preparatory folder and return it to you at the start of the next session.

5 **The controlled conditions**

‘Controlled conditions’ means ‘examination conditions’. You **must** work independently and in silence.

During the 15 hours of controlled conditions, you will be using your preparatory folder and electronic files of content to produce the items listed in (h) – (p) of *What you should hand in*. Your teacher will tell you in advance when the 15 hours have been timetabled.

During the controlled conditions, you must **not**:

- communicate in any way with anyone
- access the Internet or any intranet
- have access to any material except your preparatory folder and electronic files of content
- take in textbooks or photocopies of parts of textbooks
- copy type
- have access to removable media such as CD-ROMS or USB memory sticks.

The work must be completed by the end of the 15 hours of controlled conditions. The work must be submitted on paper as the examiner will **not** look at work submitted on electronic media such as CD-ROMs or USB memory sticks.

Your final work for submission should consist of hard copy evidence of the items in (a) – (p) of *What you should hand in*.

Turn over for the bibliography guide

Bibliography guide

This is a guide to the level of detail required for referencing within your bibliography.

Book reference:

Author(s), Year published, Title of book, Publisher, Page number(s).

Website reference:

Name of organisation, Name of document, URL of web page, date accessed.

Newspaper/magazine reference:

Author(s), Name of article, Name of newspaper/magazine, Date of publication, Page number(s).

Television/Radio reference:

Name of programme, Broadcaster e.g. name of radio station, date and time of broadcast.

Journal reference:

Author(s), Year, Title of journal, Publisher, Page numbers.

CD ROM/DVD reference:

Title of CD ROM/DVD, Name of article/section, Date of production, Production company.

For each source, your bibliography should also include a description of:

- how this information has been used within your web page
- how you have checked the validity of the source.

END OF CANDIDATE BOOKLET