

GCSE

2380/1/&2/PRE

INFORMATION AND COMMUNICATION TECHNOLOGY

SPECIFICATION B (1995)

UNIT 4: Externally Set Test (Paper 2)

Pre-release Material – Notes for Guidance

**For use in preparation for Examination Sessions
January and June 2007**



This document consists of **4** printed pages.

Notes for Guidance

Teachers

Candidates are allowed to take their own notes into the examination room. You may support and guide them but the research they take into the examination room must be their own work.

The notes they take into the examination room must **not** contain comments or marking by the teacher.

- Unit 4 is an examination paper in two tiers that will assess sections **5.3**, **5.4** and **5.5** of the specification.
- Candidates must also be fully conversant with the knowledge outlined in Unit 1: Core knowledge underpinning the use of ICT.
- It is unlikely that candidates who have not carried out the practical work associated with Unit 2 and Unit 3 will have gained sufficient insight into the application of ICT systems to successfully attempt this assessment.
- Candidates may be given the pre-release material at any point, but it must be given to them **at least four weeks** before the test.
- Candidates can be given support and advice in the interpretation of the materials and the use of ICT in the context identified.
- Candidates do not have to be directly supervised while they are researching or producing work in response to the pre-release materials.
- Flow chart stencils should be available to candidates for use during the examination.
- Teachers should check that materials taken into the examination are appropriate and comply with the 'Regulations for the Conduct of Examinations'.

NOTE: Where test questions relate to the pre-release research activities, candidates will only be awarded marks when they answer the question asked.

Materials taken into the examination must not be attached to or submitted with the answer booklet.

Candidates

You may take your **own** notes into the examination room. This will normally consist of four A4 sheets. Remember you should not just quote from your notes. Your notes are there to help and guide you. Marks will be awarded for correctly answering the questions set.

The research sheet is provided to help you to structure your notes. The examination papers do not have specific questions on all the content outlined in the research sheet, however following the research sheet will help you to revise the correct areas covered by the examination papers.

- You may take a flow chart stencil into the examination room.
- Textbooks are **not** allowed in the examination room.

Pre-release 2007

Wordsworth Dental Practice was opened four years ago. It was set up by four newly qualified dentists. The dental practice is very modern. The dental practice uses the latest hardware and software including mobile phone technology. The dental practice has a website.

Preventative measures are at the centre of good dental care. The dental practice is keen to promote these, particularly to its many young patients.

The dental practice communicates with its patients electronically wherever possible. Reminders of upcoming dental appointments can be sent out to patients automatically using email and text messaging.

All patients' dental records are stored electronically.

Charging for dental treatment is complicated as patients can pay in a variety of ways:

- cash
- cheques
- credit and debit cards
- an insurance policy where payment is made by the insurance company.

The dental practice serves both National Health Service (NHS) and private patients.

You will need to explore:

- use of different types of computer system
- the types of hardware and software used by a dental practice
- the use of different sections on a standard keyboard
- data input, output and storage
- the use and equipment needed for modern communication methods
- searching for information using ICT
- database systems used in a dental practice
- database entry forms
- the prevention of data entry errors
- methods of maintaining data security
- data protection legislation
- computer viruses
- software licensing and copyright laws
- the use of multimedia
- website design
- software documentation
- the use of templates, styles and wizards, including house style
- file extensions
- the use of system flow charts

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