

2005 Computing Studies

Intermediate 1 (New Arrangements)

Finalised Marking Instructions

These Marking Instructions have been prepared by Examination Teams for use by SQA Appointed Markers when marking External Course Assessments.

**2005 Computing Studies
Intermediate 1**

Section I – Solutions

No named applications will be accepted, eg Microsoft Word, Excel.

1. (a) Spreadsheet (1)
- (b) Average (C3..F3)
OR: Average, name only
OR: SUM(C3..F3)/4
SUM alone not enough (1)
- (c) Fill Down or Copy Down
or Replicate or Copy/Paste
or Drag with Fill handle
Do not accept Copy alone
Do not accept Drag (1)
- (d) Delete Row (1)
2. (a) Package feature needed ie template or master slide or wizard/assistant
Do not accept: Copy slide, duplicate (1)
- (b) (i) Scanner (Digital camera) (1)
- (ii) Jpeg (1)
- (c) (i) Italics/style/left justify/font/size/centre (1)
- (ii) Flashing, fade in/out, dissolve, wave fly in – any appropriate (1)
- (d) (i) Clip art, CD-Rom, hard disk folder, Internet site – any appropriate (1)
- (ii) Play on mouse click, narration on arrival at slide, in background, at transition
etc (1)
3. (a) (i) Digital Video Camera (1)
- (ii) Mpeg (1)
- (iii) Data projector, plasma screen, multimedia projector, digital projector, TV.
Not smart board, not projector on its own. (1)
- (b) Sound Card and Speakers (1)
- (c) (i) Hyperlink (1)
- (ii) Transition (1)

- (d) Capacity: Reasonable point re capacity eg size of all files too large for CD-ROM; capacity in gigabytes so DVD needed etc. Do not accept larger memory. (1)
- Cost: Cost per megabyte DVD is cheaper: accept 'DVD (Rom) not much dearer' (1)
4. (a) (i) Centre justify, align centre, 'centre/d' (1)
- (ii) TAB. If candidate uses Table then have to use formatting of Table – needs applied for align left centre (1)
- (b) (i) Maths is not in the Spell Checker's dictionary/Does not recognise the word (1)
- (ii) 'Commuting' is in the dictionary: it is a correctly spelled word (1)
- (c) Cut and Paste (1)
5. (a) Input devices, output devices, type of storage required, video card, graphics card, sound card, printer (with justification) (any 2) (2)
- (b) On-line Assistant (Wizard) (1)
- (c) (i) Landscape, portrait, margins, paper size (any 1) (1)
- (ii) Desktop Publishing (1)
- (d) Appropriate drawings clearly showing difference between the two graphic editing features.
1 per drawing (2)
6. (a) (i) Nose – freehand
Bus wheel – ellipse
Company name – text
Bus window – rectangle
All 4 correct – 2 marks
2/3 correct – 1 mark (2)
- (ii) Group Objects (1)
- (b) (i) Selection tool or accept: selection rectangle, selection lasso or selection star marching ants (magic wand for block of pixels) (1)
- (ii) No layering/ordering of objects in painting package; full objects not stored; only a 2D grid of pixels available; appropriate explanation (1)
- (iii) Bmp, jpeg, gif (1)

7. (a) Height in feet – calculated field
Ascent hrs:mins – time field

2 correct

(1)

- (b) (i) Search Records

(1)

- (ii) Ascent hrs:mins then Name

(1)

Section II

PART A – Computers and the Internet

8. (a) (i) Computer A (1)
- (ii)
 - Only A has enough RAM
 - Only A has a DVD Drive
 - Only A has correct version of OS (Link to problem)**Any 2 for 1 mark each for max 2 marks** (2)
- (b) Graphics Card (1)
- (c) Modem (accept network card) (1)
9. (a) (i) Laptop (1)
- (ii) A laptop is portable/easily carried around **OR** a laptop has the hard disk space required (1)
- (b) Digital camera, digital video camera (1)
- (c) USB Flash Drive (1)
- (d) Laser printer **OR** Inkjet Printer **OR** just Printer (1)
10. (a) Application software contains instructions and a data file contains the data that programs use (1)
- (b)
 - Create new folders
 - Move files into named folders
 - Delete old files
 - View as list**Any 1 point for 1 mark** (1)
- (c) Controls the computer **OR** allows the user to perform tasks using the computer (1)
11. (a) Computer System 3 (1)
- (b) Security is used to ensure the safety of customer details (1)
12. (a) Analysis, Design, Implementation, Testing, Documentation, Evaluation
All correct = 2 marks, 1 off for each joint mistake (2)
- (b)
 - To understand what has to be produced
 - To create a “requirements specification”**Any 1 point for 1 mark** (1)
- (c) Links (Hyperlinks) to other pages not shown (1)
- (d) Implementation (1)

PART B – Information and the Internet

8. (a) Date of Birth – Date (2)
Surname – Text (2)
- (b) She would **search** the database using the **Interests** field, entering swimming.
1 mark for each point in bold up to 2 (2)
- (c) Add a new field (1)
- (d) Data Protection Act (1)
9. (a) Library Book Information System – Electronic and Public (1)
Library Staff Intranet – Electronic and Private (1)
- (b) A collection of interlinked pages of information on the Internet (1)
- (c) (i)
 - Sharing the software over the network
 - Sharing hardware devices over the network
 - Communicating with other libraries
 - Update centrally so all systems are updated at the same time
 - Any other reasonable answer**Any 1 for 1 mark** (1)
- (ii) User ID and Password (1)
10. DOB: 12/04/1968 – Information
Tel No: 143 1212 – Information
19681204 – Data
- All correct - 2 marks**
2 correct – 1 mark
None or 1 correct – 0 marks
11. (a)
 - Internet Service Provider (ISP)
 - Web Browser Software/Communication Software
 - E-mail Software**1 mark each up to 2** (2)
- Trade names are not acceptable answers (ie MS Explorer or Netscape)
- (b) The website has been filtered/blocked **OR** the website is unsuitable **OR** he had entered the wrong password (1)

- 12. (a) (i)** User Guide – Instructions on how to use the Software **(1)**
- (ii)** Technical Guide – Browser Version/Requirements **(1)**
- (b) (i)** Testing **(1)**
- (ii)** Implementation **(1)**

[END OF MARKING INSTRUCTIONS]