# 2009 Computing Studies

# Intermediate 1

# Finalised Marking Instructions

**Part One: General Marking Principles for Computing Studies – Intermediate 1**

*This information is provided to help you understand the general principles you must apply when marking candidate responses to questions in this Paper. These principles must be read in conjunction with the specific Marking Instructions for each question.*

**(a)** Marks for each candidate response must <u>always</u> be assigned in line with these general marking principles and the specific Marking Instructions for the relevant question. If a specific candidate response does not seem to be covered by either the principles or detailed Marking Instructions, and you are uncertain how to assess it, you must seek guidance from your Team Leader/Principal Assessor. You can do this by posting a question on the Marking Team forum or by e-mailing/phoning the e-marker Helpline. Alternatively, you can refer the issue directly to your Team Leader by checking the 'Referral' box on the marking screen.

**(b)** Marking should always be positive ie, marks should be awarded for what is correct and not deducted for errors or omissions.

**(c)** If a candidate has attempted both optional sections you must mark both sections.

**(d)** If a candidate ticks more than one box in a multiple choice question and if one answer is correct the candidate is awarded ZERO marks.

**Part Two: Marking Instructions for each Question**

**Section I**

| Question | | | Expected Answer/s | Max Mark | Additional Guidance |
|---|---|---|---|---|---|
| **1** | **a** | | B6 (second one)  | **1** | No other answer is acceptable. Candidate can have ticked or crossed the box or indicated in some other way that B6 is the answer. |
| **1** | **b** | | =B3*C3<br><br>Or<br><br>=C3*B3 | **1** | Must have the = sign because the question asks for a formula. X can be used as a multiplication sign (*) The following would also be awarded a mark:<br><br>B3*C3 = D3<br>C3*B3=D3<br>D3=B3*C3<br>D3=C3*B3<br>=sum(B3*C3) |
| **1** | **c** | **i** | On-line help  OR  On-line tutorial | **1** | On-line help is the expected answer<br><br>BUT on-line tutorial is accepted if the description links to tutorial rather than help. The reason we are accepting on-line tutorial is because of the stem "Sarah does not know how to do this" |
| | | | *On-line help*<br>Access help within the (spreadsheet) application to explain how to use fill down<br><br>OR<br><br>*On-line tutorial*<br>Access tutorial to SHOW step by step how to use fill down | **1** | The description must refer to helping from the application (HELP)<br>Or<br>The description must refer to showing Sarah how to perform a fill down operation (ON_LINE TUTORIAL)<br><br>**NOT TUTORIAL**<br>**NOT HELP**<br>**No Trade Names** |
| **1** | **c** | **ii** | Highlight cells D3 to D7 | **1** | Must be some indication of *cell selection* |
| | | | Select Fill Down from the menu | **1** | Must be indication of selecting from the menu or dragging from cell D3 to D7<br><br>NOT copy and paste |

| Question | | | Expected Answer/s | Max Mark | Additional Guidance |
|---|---|---|---|---|---|
| **1** | **d** | | A  (graph A)<br>(top one)<br><br>☑ A<br>☐ B<br>☐ C<br>☐ D | **1** | No other answer is acceptable.<br>Candidate can have ticked or crossed the box or indicated in some other way that graph A is the answer. |
| **1** | **e** | | SUM | **1** | AUTOSUM is acceptable.<br><br>Accept: SUM(D3..D7), SUM(D3:D7)  (if they get the cells incorrect is does not matter as SUM is being looked for) |
| **1** | **f** | | Set page to landscape<br><br>Fit to page | **1** | Award mark for an appropriate answer NOTE all the information has to be displayed on the ONE page printout.<br><br>(eg if candidate changes paper size to A3 this would be acceptable as would come out on one page) |
| **1** | **g** | | Floppy Disk — 650Mb<br>DVD-R — 4.7Gb<br>Hard Disk — 1.4Mb<br>USB Flash Drive — 500Gb<br>CD-R — 8Gb<br><br>Floppy disk – 1.4Mb<br>DVD-R – 4.7Gb<br>Hard Disk - 500 Gb<br>USB Flash Drive - 8Gb<br><br>All 4 correct<br><br><br>3 or 2 correct | **2**<br><br><br>**1** | CD-R – 650Mb has been given to the candidate so no marks for this one.<br><br>No other options available |

| Question | | | Expected Answer/s | Max Mark | Additional Guidance |
|---|---|---|---|---|---|
| **2** | **a** | | Graphics Tablet | **1** | No other answer |
| **2** | **b** | | Jpeg/Gif | **1** | These are the two in the Int 1 arrangements. When marking if candidate gives another valid **Graphic** File TYPE then candidate is given the mark. (if unsure if answer is a graphic file TYPE search the answer on the Internet, if still unsure refer to team leader) |
| **2** | **c** | | Scale (last one) ☐ Rotate ☐ Crop ☐ Colour ☑ Scale | **1** | No other answer is acceptable. Candidate can have ticked or crossed the box or indicated in some other way that Scale is the answer. |
| **2** | **d** | | Modem, router, wireless router | **1** | Note answer asks for HARDWARE |
| **2** | **e** | **i** | Description of text effect eg Title flies in from right Flashing Dissolving Fade in/out Linked to the question | **1** | TEXT effect is being asked for must be appropriate to the menu displayed NOT bold, font size |
| **2** | **e** | **ii** | Hyperlink (second one) ☐ Hypergoal ☑ Hyperlink ☐ Hyperpoint ☐ Transition | **1** | No other answer is acceptable. Candidate can have ticked or crossed the box or indicated in some other way that hyperlink is the answer. |

| Question | | | Expected Answer/s | Max Mark | Additional Guidance |
|---|---|---|---|---|---|
| **3** | **a** | | One from the list below:<br><br>• Searching quickly<br>• Sort data into order<br>• Editing is easier<br>• Less physical storage<br>• Can be accessed over a network<br>• Backup copy<br>• Shared by more than one person | **1** | Appropriate <u>reason</u> for storing information about cars electronically<br><br>Do NOT accept<br>"will not lose if saved on a computer" but mark given if then mention backup |
| **3** | **b** | | • Doors<br>• Year of Car | **1** | 1 mark for **either** answer |
| **3** | **c** | | Sort on the Toy Purchased field in ascending order then print<br><br>(last one)<br><br>☐ Search on the Toy Purchased field in ascending order.<br>☐ Search on the Toy Purchased field in ascending order and then print.<br>☐ Sort on the Toy Purchased field in ascending order.<br>☑ Sort on the Toy Purchased field in ascending order and then print. | **1** | No other answer is acceptable.<br>Candidate can have ticked or crossed the box or indicated in some other way that Sort on the Toy Purchased field in ascending order then print is the answer. |
| **3** | **d** | | Bullet Points<br>(last one)<br><br>☐ Text Wrap<br>☐ Header/Footer<br>☐ Page Orientation<br>☑ Bullet Points | **1** | No other answer is acceptable.<br>Candidate can have ticked or crossed the box or indicated in some other way that Bullet Points is the answer. |
| **3** | **e** | | Car names were not in the spell checkers **dictionary** | **1** | Looking for idea of dictionary for the mark.<br><br>Must have Dictionary |
| **3** | **f** | | • Search and replace<br>• Find and change<br>• Find and replace<br>• Search and change | **1** | Need a combined answer, ie searching/finding then replacing/changing<br>Facility being looked for. |

| Question | | | Expected Answer/s | Max Mark | Additional Guidance |
|---|---|---|---|---|---|
| 3 | g | | Voice recognition<br>Speech recognition | 1 | As the question says 'enter' microphone would also have to be accepted but only with software<br>**MUST** have software not just hardware<br><br>Not Scanner or OCR |
| 4 | a | i | Digital Video Camera (top one)<br><br>☑ Digital Video Camera<br>☐ Printer<br>☐ USB Flash Drive<br>☐ Data Projector | 1 | No other answer is acceptable.<br>Candidate can have ticked or crossed the box or indicated in some other way that Digital Video Camera is the answer. |
| 4 | a | ii | To output sound to speakers and input sound from a microphone (third one)<br><br>☐ To input sound from speakers.<br>☐ To output sound to a microphone.<br>☑ To output sound to speakers and input sound from a microphone.<br>☐ To output sound to a microphone and input sound from speakers. | 1 | No other answer is acceptable.<br>Candidate can have ticked or crossed the box or indicated in some other way that To output sound to speakers and input sound from a microphone is the answer. |
| 4 | a | iii | Large number of **pixels** on screen<br><br>More **pixels** | 1 | Looking for pixels, the theme of the question is about monitors but the question asks to define 'High resolution' eg<br>"the total number of pixels in the image"<br>"Larger monitor screens usually have higher screen resolution, measured in pixels" |
| 4 | b | | Compress the file<br>Make the file size smaller | 1 | Description of reducing the file size<br><br>(note **not** reducing the film length) |
| 4 | c | | Scanner | 1 | As the question says 'SHOULD use to capture' answer is **scanner** only. – (also in Coursework task) |

| Question | | | Expected Answer/s | Max Mark | Additional Guidance |
|---|---|---|---|---|---|
| **4** | **d** | | • Ensure **all** his pages have the same basic design.<br>• Reduce time in production | **1** | This question is an <u>explain</u>, candidates need to show in their explanation that they understand that all pages in the presentation will have the same layout, they may also say it saves time because they do not have to create each slide from scratch. |
| **4** | **e** | | Fade out<br>(top one)<br><br>☑ Fade out<br>☐ Landscape<br>☐ Portrait<br>☐ Bold | **1** | No other answer is acceptable.<br>Candidate can have ticked or crossed the box or indicated in some other way that Fade out is the answer. |
| **4** | **f** | | Gigabyte<br>(third one)<br><br>☐ Kilobyte<br>☐ Byte<br>☑ Gigabyte<br>☐ Bit | **1** | No other answer is acceptable.<br>Candidate can have ticked or crossed the box or indicated in some other way that Gigabyte is the answer. |
| **4** | **g** | | Data Projector<br>(last one)<br><br>☐ Monitor<br>☐ Graphics Card<br>☐ Digital Video Camera<br>☑ Data Projector | **1** | No other answer is acceptable.<br>Candidate can have ticked or crossed the box or indicated in some other way that Data Projector is the answer. |
| **5** | **a** | | Bit Mappped Graphic | **1** | <u>No other answer</u> – as answer is given in the question, it is a choice, one or the other. |
| **5** | **b** | | • Touch Pad<br>• Track Pad<br>• Trackball<br>• Nipple | **1** | At start of question 'has transferred it to her laptop computer' hence Touchpad. If given, other input device must be appropriate with a laptop. |

| Question | | | Expected Answer/s | Max Mark | Additional Guidance |
|---|---|---|---|---|---|
| 5 | c | | USB Flash Drive<br>USB Pen<br>USB Stick<br>USB Drive<br>Memory Stick<br>Pen Drive<br>CD-R<br>CD-RW<br>DVD-R<br>DVD-RW<br>Floppy Disc<br>Portable HDD<br>External Hard Drive<br>Flash Drive<br><br>**NOT** USB on its own<br>**NOT** CD on its own | 1 | Appropriate 'portable backing storage medium' – portable is the key term so backing storage medium MUST be portable. |
| 6 | a | i | Scale and Duplicate<br>(third one)<br><br>□ Scale and Rotate<br>□ Rotate and Zoom<br>☑ Scale and Duplicate<br>□ Zoom and Scale | 1 | No other answer is acceptable.<br>Candidate can have ticked or crossed the box or indicated in some other way that Scale and Duplicate is the answer. |
| 6 | a | ii | All 4 lawnmowers will be deleted<br>They would all be deleted | 1 | Indication that all the graphics will be deleted in one go – due to grouping. |
| 6 | b | | Answer on second diagram with the address centered on the diagram<br><br>Good Quality<br>Lawnmower Service<br>Tel: 0238730073 | 1 | DO NOT award marks if the address is left aligned.<br>Candidate must show CENTERED, but please look at hand writing. If all three lines are obviously left or right aligned DO NOT give the mark. |
| 6 | c | | Font change<br>Font size<br>Font emboldened<br>Bold | 1 | This answer can ONLY go with the specific example given in the question. |

**Section II – Part A – Computers and the Internet**

| Question | | | Expected Answer/s | Max Mark | Additional Guidance |
|---|---|---|---|---|---|
| **7** | **a** | | Palmtop<br>PDA | **1** | No brands eg blackberry |
| **7** | **b** | **i** | User ID and password<br>(user name and password) | **1** | Need both for mark.<br>NOT login details |
| **7** | **b** | **ii** | Broadband | **1** | Also accept ADSL, CABLE |
| **7** | **b** | **iii** | Communication<br>or<br>E-mail software | **1** | Watch DO NOT accept an answer such as 'hotmail'.  Must be TYPE. |
| **7** | **c** | | To prevent fraud<br>or<br>Theft of customer details | **1** | May not get in these words but the <u>idea</u> that they have to keep *personal details* safe |
| **7** | **d** | | • ISP Subscription<br>• Call charges<br>• Maintenance<br>• Helplines<br>• Updating hardware(can give example)<br>• Updating software | **1** | Watch that candidate gives RUNNING costs. |

| Question | | | Expected Answer/s | Max Mark | Additional Guidance |
|---|---|---|---|---|---|
| 8 | a | | **Digital** camera | 1 | Must have digital. As question says "most appropriate". And also says "professional photographer" NO mobile phone. |
| 8 | b | | Graphic Or Bitmapped | 1 | DO NOT accept the trade name of an application. Photograph editing is also acceptable |
| 8 | c | | Word Processing (top one) <br><br> ☑ Word processing <br> ☐ Database <br> ☐ Spreadsheet <br> ☐ Systems software | 1 | No other answer is acceptable. Candidate can have ticked or crossed the box or indicated in some other way that Word Processing is the answer. |
| 8 | d | | 'A' does not have the correct operating system (or 'A' has an earlier OS than required 06) 'A' processor speed is not sufficient <br><br> or <br><br> 'B' has the correct operating system 'B' has a fast enough processor | 2 | Must have 2 different reasons, 1 mark each. Watch do not give the same reason twice. <br><br> The question says <br><br> "ONLY RUN on computer system B" <br><br> (Hard disc capacity and RAM is **not** appropriate because computer A has sufficient hard disc capacity and RAM.) |
| 8 | e | | Delete the file or Quarantine the file Or Repair the file | 1 | Must link to actioning a file with a virus |

| Question | | | Expected Answer/s | Max Mark | Additional Guidance |
|---|---|---|---|---|---|
| **9** | **a** | | Clarify what is required within the website | **1** | Candidate will not use these words but needs to be an indication that they are **finding out what the website should contain.** Watch they do not give you a design answer. |
| **9** | **b** | | Design<br><br>Testing  (Test) | **2** | **MUST** be in this order, no other terms acceptable. 1 mark for Design in the correct place, 1 mark for Testing in the correct place. |
| **9** | **c** | | Does the site do what is meant to do (as stated in the analysis stage) | **1** | Will not give these terms but make sure they **do not refer to testing or documentation**.<br><br>The answer MUST link to EVALUATION. |
| **9** | **d** | | Technical Guide<br>(third one)<br>☐ Test Guide<br>☐ User Guide<br>☑ Technical Guide<br>☐ Evaluation Guide | **1** | No other answer is acceptable.<br>Candidate can have ticked or crossed the box or indicated in some other way that Technical Guide is the answer. |
| **10** | **a** | | Graphics Card<br>(last one)<br>☐ Modem<br>☐ Colour Printer<br>☐ Network Card<br>☑ Graphics Card | **1** | No other answer is acceptable.<br>Candidate can have ticked or crossed the box or indicated in some other way that Graphics Card is the answer. |
| **10** | **b** | | • It has a CRT monitor<br>• Only a DVD-ROM drive<br>• It does not have an LCD flat screen monitor | **1** | Either answer<br><br>Correct monitor is not shown in the picture (for All star's requirements) |
| **10** | **c** | | DVD-RW<br>(third one)<br>☐ DVD+R<br>☐ DVD-R<br>☑ DVD-RW<br>☐ DVD-ROM | **1** | No other answer is acceptable.<br>Candidate can have ticked or crossed the box or indicated in some other way that DVD-RW is the answer. |

**Section II – Part B – Information and the Internet**

| Question | | | Expected Answer/s | Max Mark | Additional Guidance |
|---|---|---|---|---|---|
| **7** | **a** | | Search(Query)on **resort** = **'Benidorm'** <br><br> **(AND) date from >'1/7/09'** <br><br><br> **(AND) no.of.Nights = 7** <br><br><br> **could also have date from 2/7/09** | **1** <br><br> **1** <br><br><br> **1** | Although this is a complex search, at Int1 we will not insist that the candidate includes the ANDs. |
| **7** | **b** | | Data Protection Act | **1** | Need all **three** words for mark. |
| **7** | **c** | | • Calculated <br> • Calculation | **1** | Note it is a **TYPE** of field that is required. |
| **7** | **d** | | • Graphic <br> • Container <br> • Multimedia <br> • OLE | **1** | Note it is the **TYPE** of field that is required. |
| **8** | **a** | | Database | **1** | Note it is the TYPE of application. No brand names. |

| Question | | | Expected Answer/s | Max Mark | Additional Guidance |
|---|---|---|---|---|---|

| Question | | | Expected Answer/s | Max Mark | Additional Guidance |
|---|---|---|---|---|---|
| 8 | b | i | • Need computer equipment to access<br>• Need training<br>• Data could be hacked<br>• Data could be lost IF NOT backed up<br>• System crash | 1 | Note DISADVANTAGE of electronic information system, if candidate gives a valid disadvantage then give the mark. |
| 8 | b | ii | • Electronic phone book<br>• On-line encyclopedia | 1 | Electronic information system must be given. |
| 8 | c | | A network of computer networks (top one)<br>✓ A network of computer networks.<br>☐ A local area network.<br>☐ Interlinked pages of information.<br>☐ A website on the World Wide Web. | 1 | No other answer is acceptable.<br>Candidate can have ticked or crossed the box or indicated in some other way that A network of computer networks is the answer. |
| 9 | a | | Analysis (third one)<br>☐ Design<br>☐ Testing<br>✓ Analysis<br>☐ Evaluation | 1 | No other answer is acceptable.<br>Candidate can have ticked or crossed the box or indicated in some other way that Analysis is the answer. |
| 9 | b | | To prevent fraud<br>or<br>To prevent theft of personal details | 1 | |
| 9 | c | | • Cost of initial hardware<br>• Cost of software<br>• Cost of training<br>• Cost of installation | 1 | Must be Set –up cost. (setup connection fee) |

| Question | | | Expected Answer/s | Max Mark | Additional Guidance |
|---|---|---|---|---|---|
| 9 | d | | Checking hyperlinks (third one)  ☐ Uploading pictures  ☐ Creating hyperlinks  ☑ Checking hyperlinks  ☐ Adding a sound | 1 | No other answer is acceptable. Candidate can have ticked or crossed the box or indicated in some other way that Checking hyperlinks is the answer. |
| 9 | e | i | Instructions on how to use the website | 1 | (user guide) |
| 9 | e | ii | Instructions on the hardware or software to allow user to access website | 1 | (technical guide) Do not expect exact words, but candidate answer MUST relate to technical information, eg plug ins, operating system. |
| 10 | a | | Communications (third one)  ☐ Text processing  ☐ Spreadsheets  ☑ Communications  ☐ Applications | 1 | No other answer is acceptable. Candidate can have ticked or crossed the box or indicated in some other way that Communications is the answer. |
| 10 | b | | Install antivirus software Firewall | 1 | |
| 10 | c | i | Broadband | 1 | Also except ADSL, Cable, Satellite connection |
| 10 | c | ii | Helplines | 1 | On-line help |

[END OF MARKING INSTRUCTIONS]