



2010 Computing Studies

Intermediate 1

Finalised Marking Instructions

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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.

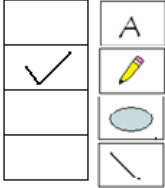
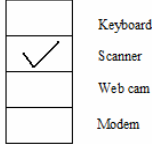
- (a) Marks for each candidate response must always be assigned in line with these general marking principles and the specific Marking Instructions for the relevant question. If a specific candidate response does not seem to be covered by either the principles or detailed Marking Instructions, and you 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		Spreadsheet.	1	No trade names eg Excel.
1	b		Currency.	1	No other answer.
1	c	i	=D7*E7 or =E7*D7 The following would also be awarded a mark : F7= D7*E7 or F7= E7*D7.	1	<ul style="list-style-type: none"> Must have the = sign because the question asks for a formula. Must have a * as the multiplication sign. <p>Do not allow SUM, AVG, MAX, MIN.</p>
1	c	ii	Replication or Fill down.	1	<ul style="list-style-type: none"> Replicate Copy and Paste is also acceptable as it works in several application packages. <p>Not description of how fill down could be carried out e.g. select right hand corner of F7 and drag to F9 because the question asks for a <u>feature</u> not a description.</p>
1	d		F9 or F11	1	
1	e		Adds the values of a range of cells (third one). <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; width: 30px; height: 30px; margin-right: 5px;"></div> <div style="font-size: 0.8em;">Finds the largest value in a range of cells</div> </div> <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; width: 30px; height: 30px; margin-right: 5px;"></div> <div style="font-size: 0.8em;">Multiplies the values of a range of cells</div> </div> <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; width: 30px; height: 30px; margin-right: 5px; position: relative;"> <div style="position: absolute; top: 5px; left: 5px;">✓</div> </div> <div style="font-size: 0.8em;">Adds the values of a range of cells</div> </div> <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; width: 30px; height: 30px; margin-right: 5px;"></div> <div style="font-size: 0.8em;">Finds the average of the values of a range of cells</div> </div>	1	Note: if ticked two or more boxes, even if one is correct ZERO marks are awarded.

Question			Expected Answer/s	Max Mark	Additional Guidance
1	f		Insert new column After column C or Insert new column Before column D or Insert new column Between column C and column D.	2	1 mark awarded for each part overall total 2marks. (1 for insert, and 1 for position). Not between size and price as this repeats the question.
1	g		Sound card or Microphone.	1	No other answer.

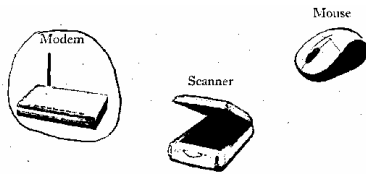
Question			Expected Answer/s	Max Mark	Additional Guidance
3	a	i	Pencil tool (second one) 	1	Note: if ticked two or more boxes, even if one is correct ZERO marks are awarded.
3	a	ii	Scale Flip.	1 1	No other answer.
3	a	iii	Select multiple objects Group	2	Candidates may have given a description; if the description explains selection of multiple objects then mark is given. (1 mark). Group (1 mark).
3	b	i	Template or Master page/slide.	1	Not master on its own.
3	b	ii	Scanner (second one). 	1	Note: if ticked two or more boxes, even if one is correct ZERO marks are awarded.
3	b	iii	Dissolve or Fade.	1	If candidate gives a text effect that can apply to the <i>slide title disappearing slowly</i> in an application then mark correct. Not disappear as this is in the question.
3	b	iv	Data Projector or Digital projector or Large plasma screen (Must specify Large).	1	Do not accept projector on its own.

Question			Expected Answer/s	Max Mark	Additional Guidance
4	a		<ul style="list-style-type: none"> • Able to delete • Able to amend • Able to insert • Format text • Spell check • Easy to edit • Wordprocessing ability to speak the text. 	1	<p>1 mark for any one.</p> <ul style="list-style-type: none"> • Anyone can read the text if the manual has been created with someone with poor handwriting • Speech recognition for the creation of the manual • Ease of multiple copies • Reduced storage requirements for the manual.
4	b		Voice/speech recognition.	1	Do not accept using a microphone.
4	c	i	Bulleted list or Bullet points or Bullets.	1	
4	c	ii	Text wrap.	1	Do not accept word wrap.
4	c	iii	Footer or Master page Or Template.	1	If candidate gives header and footer 1 mark as the word header should be ignored.
4	d		<p>Candidate must include dictionary in their answer.</p> <p>Words not in word processors dictionary.</p>	1	<p>1 mark for any one.</p> <p>Candidates may answer including the following:</p> <p>Dictionary may not contain:</p> <ul style="list-style-type: none"> • Technical terms • Names • Places.
4	e		Compress the file or Use file compression.	1	

Question			Expected Answer/s	Max Mark	Additional Guidance
5	a		Touchpad (Fourth one) <div style="display: flex; align-items: center;"> <input type="checkbox"/> Monitor <input type="checkbox"/> Printer <input type="checkbox"/> Microphone <input checked="" type="checkbox"/> Touchpad </div>	1	Note: if ticked two or more boxes, even if one is correct ZERO marks are awarded.
5	b		The tutorial will teach them how to use the package or Tutorial will show step-by-step instructions or Tutorial shows examples of how to use the package.	1	
5	c		Desktop publishing (Third one) <div style="display: flex; align-items: center;"> <input type="checkbox"/> Presentation <input type="checkbox"/> Multimedia authoring <input checked="" type="checkbox"/> Desktop publishing <input type="checkbox"/> Graphics </div>	1	Note: if ticked two or more boxes, even if one is correct ZERO marks are awarded.
5	d	i	A= Portrait B= Landscape	1	Need to get both correct for 1 mark. Watch that A is Portrait and B is landscape.
5	d	ii	Fully (Justified) or Full.	1	
5	d	iii	Make the page margins smaller or Alter page margins or Alter line length or Increase the page size or Change orientation to portrait or Reduce line spacing	1	

Section II – Part A – Computers and the Internet

Question			Expected Answer/s	Max Mark	Additional Guidance												
6	a	i	Digital camera.	1	Still capture using a high resolution digital video camera would be acceptable. If they state mobile phone have to specify the quality of image taken as the question states “high quality still images”.												
6	a	ii	Select two from the options below. One mark for each. <ul style="list-style-type: none">• Portability(size)• Power source• Pointing device• Touchscreen• Integrated monitor• Reduced applications• Memory size• Backing storage size• Difference in processor power (desktop more powerful).	2	Watch candidate must give two distinct differences for the two marks.												
6	b		Alan’s employers are using filtering software (third one) <input type="checkbox"/> Alan’s hard disk drive is broken. <input type="checkbox"/> Alan’s computer system does not have Internet access. <input checked="" type="checkbox"/> Alan’s employers are using filtering software. <input type="checkbox"/> Alan has accidentally deleted D-Bay’s web pages.	1	Note: if ticked two or more boxes, even if one is correct ZERO marks are awarded.												
6	c	i	Either User ID or Username.	1													
6	c	ii	Website’s store personal/financial/ bank details of customers or Information may be stolen/misused from website.	1	Question refers to security of e-commerce so candidate answer MUST link with this to gain the mark. Secure website prevents theft of username and password.												
6	d	<table><tr><td>Implementation</td><td>Decide what will be required on each web page</td></tr><tr><td>Testing</td><td>Create each web page</td></tr><tr><td>Evaluation</td><td>Type user guide and technical guides for the website</td></tr><tr><td>Analysis</td><td>Sketch the layout of each web page on paper</td></tr><tr><td>Design</td><td>Check the website fulfils its specification</td></tr><tr><td>Documentation</td><td>Check that each link works</td></tr></table> <p>(2 marks for all correct, 1 mark for 3 or 4 correct) (watch Evaluation already done).</p>				Implementation	Decide what will be required on each web page	Testing	Create each web page	Evaluation	Type user guide and technical guides for the website	Analysis	Sketch the layout of each web page on paper	Design	Check the website fulfils its specification	Documentation	Check that each link works
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Question			Expected Answer/s	Max Mark	Additional Guidance
6	e	i	<p>Circle around Modem – circle either the device, text or both.</p> 	1	Note: if circled two or more items, even if one is correct ZERO marks are awarded.
6	e	ii	<p>Running cost (fourth one)</p> <p> <input type="checkbox"/> Hardware costs <input type="checkbox"/> Initial costs <input type="checkbox"/> Setup costs <input checked="" type="checkbox"/> Running costs </p>	1	Note: if ticked two or more boxes, even if one is correct ZERO marks are awarded.
6	f		<p>Select one from the options below:</p> <ul style="list-style-type: none"> • Browser • FTP • Chat • Instant Messaging. 	1	No trade names eg msn messenger.

Question			Expected Answer/s	Max Mark	Additional Guidance
7	a	i	512Mb.	1	½Gb.
7	a	ii	Operating System.	1	Reid OS although it is a 'trade' name Reid OS fits the question.
7	a	iii	<p>A graphics card is used to display images on a monitor</p> <p><input type="checkbox"/> A graphics card is used to load photos from backing storage.</p> <p><input checked="" type="checkbox"/> A graphics card is used to display images on a monitor.</p> <p><input type="checkbox"/> A graphics card is used to save images to hard disk.</p> <p><input type="checkbox"/> A graphics card is used to connect a digital camera to a computer system.</p>	1	Note: if ticked two or more boxes, even if one is correct ZERO marks are awarded.
7	b		<p>DVD-RW (fourth one)</p> <p><input type="checkbox"/> CD ROM</p> <p><input type="checkbox"/> Floppy disk</p> <p><input type="checkbox"/> Internal Hard Disk</p> <p><input checked="" type="checkbox"/> DVD-RW</p>	1	Note: if ticked two or more boxes, even if one is correct ZERO marks are awarded.
7	c		<p>Any one from the following:</p> <ul style="list-style-type: none"> Digital Video Camera Digital Camera Mobile Phone/PDA with camera Web cam. 	1	
7	d	i	Network.	1	
7	d	ii	A server controls the running of the network	1	(also accept examples – sharing files/ sharing peripherals/sharing Internet connection, login for security and access privileges).
7	e		<p>They use less power.</p> <p>They use less desk space(size).</p>	1	
7	f		<p>Must be in this order</p> <p>Floppy</p> <p>CD-RW</p> <p>DVD-RW</p> <p>16Gb USB Flash Drive.</p>	1	All 4 correct for the 1 mark.

Section II – Part B – Information and the Internet

Question			Expected Answer/s	Max Mark	Additional Guidance
6	a	i	Text or Alphanumeric.	1	
6	a	ii	It has meaning. (no mark for information only).	1	
6	b		The information is held in a private (information system).	1	Must indicate that the information is held in a Private database/information system. Protected by the DPA.
6	c		Data Protection Act.	1	DPA.
6	d		No training/hardware/software/ power required to read it.	1	Only one point needed.
6	e		Computer Misuse Act	1	Not misuse Act.
6	f	i	Card format (second one) <div style="display: flex; align-items: center;"> <input type="checkbox"/> List format <input checked="" type="checkbox"/> Card format <input type="checkbox"/> Column format <input type="checkbox"/> File format </div>	1	Note: if ticked two or more boxes, even if one is correct ZERO marks are awarded.
6	f	ii	Search in Road Tax Due (field) (1 mark). For 31/08/2010 (1 mark).	2	Filter on Road tax due (field) (1mk) for 31/08/2010(1mk). Not 31 st august 2010.
6	g		Secure (first one) <div style="display: flex; align-items: center;"> <input checked="" type="checkbox"/> Secure <input type="checkbox"/> Manual <input type="checkbox"/> Filtered <input type="checkbox"/> Blocked </div>	1	Note: if ticked two or more boxes, even if one is correct ZERO marks are awarded.

Question			Expected Answer/s	Max Mark	Additional Guidance
6	h		Communications (third answer) <input type="checkbox"/> Operating system <input type="checkbox"/> Anti-virus <input checked="" type="checkbox"/> Communications <input type="checkbox"/> Gaming	1	Note: if ticked two or more boxes, even if one is correct ZERO marks are awarded.
7	a		Word Wide Web.	1	
7	b		Dial-up.	1	

Question		Expected Answer/s		Max Mark	Additional Guidance
7	c	Purchasing a computer system		setup	
		Paying an ISP subscription		running	
		Maintenance		running	
		Purchasing new software		setup	
		Upgrading a computer systems hard disk		running	
		Training staff to use new hardware		setup	
		All correct 2 marks 1 mark for 3 or 4 correct.			
7	d	Any one of the following: <ul style="list-style-type: none"> • Sport • Advertising • Shopping(e-commerce) • News. 		1	Social networking sites. Not educational in question.
7	e	i	Analysis and Design (third one) <input type="checkbox"/> Analysis and Implementation <input type="checkbox"/> Design and Testing <input checked="" type="checkbox"/> Analysis and Design <input type="checkbox"/> Documentation and Evaluation	1	Note: if ticked two or more boxes, even if one is correct ZERO marks are awarded.
7	e	ii	Any one of the following: <ul style="list-style-type: none"> • Text • Graphics • Sound • Video • Animation. 	1	
7	f		The opening/introduction/start/index page of a website that links to other pages	1	Must refer to a home page . Not 'main' page of a website.
7	g		Copyright, Design and Patents (Act).	1	Note: Act is in the question so not necessary in answer.

[END OF MARKING INSTRUCTIONS]