

## 2013 Computing Studies Standard Grade General Finalised Marking Instructions

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## Part One: General Marking Principles for Computing Studies Standard Grade – General

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.
- **(b)** Marking should always be positive i.e., marks should be awarded for what is correct and not deducted for errors or omissions.
- (c) 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 'PA Referral' box on the marking screen.
- (d) Award one mark for each 'bullet' point where stated in the marking instructions.
- (e) On the MFI system, if a candidate has not answered or attempted a question 'NR' must be placed in the mark column instead of a zero '0'.
- (f) When converting from Gigabytes/Megabytes/Kilobytes to bytes, '1024' is the only unit acceptable, e.g. 1024 bytes = 1 Kilobyte, 1024 Kilobytes = 1 Megabyte, 1024 Megabytes = 1 Gigabyte.
- (g) No piece of work should be ignored without careful checking. Candidates may have scored out an answer then written the correct answer at the back of the question paper. Make sure that every page is checked.
- (h) If the first answer has been scored out, but still readable, and not replaced by another answer, the question should be marked in the normal way. If you feel that a candidate has been disadvantaged by this action, make it a 'PA Referral'.
- (i) On the MFI system, if you come across a paper which is blank, scroll down to the end of the paper in-case the answers have been written on a separate piece of paper which will be scanned and added to the end of the on-screen paper.
- (j) Any references to trade names or commercial products, e.g. "Microsoft", "MSN", etc. should be ignored, and then the rest of the answer should be marked. For example, if you received an answer "Microsoft Spreadsheet" then "Microsoft" would be ignored and "Spreadsheet" accepted, but "Microsoft Excel" would be ignored.

## Part Two: Marking Instructions for each Question

Question		on	Expected Answer/s	Max Mark	Additional Guidance
1	а	i	SUM (E3:E6) Function (1) Range (1)	2	Equals sign not important
			3 ( )	(PS)	
1	а	ii	C3* D3 Range (1) Operation (1)	2	If range and operator correct, ignore anything else
			operation (1)	(PS)	
1	b		Copy/Duplicate	1	Accept description of operation
				(KU)	operation
1	С		Any <b>two</b> from:  Bold	2	Not word wrap, make cell bigger
			<ul><li>Text wrap (wrap text)</li><li>Centred</li></ul>		
			Text alignment	(7.0)	
				(PS)	
1	d		Any one from:  Insert a new row (1) after row 5 (1)  Insert a new row (1) between 5 and 6 (1)  Insert a new row (1) after 'Raoul' (1)  Insert a new row (1) between 'Raoul' and 'Without' (1)	2	
			Insert after row 6 (1) then sort (1)	(PS)	
1	е		It is easier to understand/read (than the	1	
			figures)	(PS)	
1	f		Any <b>two</b> from:  They have a common HCI / easier to learn a new package  Data can be passed between	2	Zero marks for anything about cost
			<ul><li>packages with ease</li><li>More packages available (or notion of)</li></ul>	(PS)	

Qu	Question		Expected Answer/s	Max Mark	Additional Guidance
2	а		Any <b>one</b> from:  • Search on Make = 'Hillyard' (1)  AND (1) price < 5,000 (1)  • Complex search (1) on Make =  'Hillyard' (1) AND price < 5,000 (1)	3 (PS)	Note use of 'complex search' or use of the word 'AND'  Note < for less than and not < =
2	b		Sort (1) on Year Built (1) in ascending (1) order	3 (PS)	
2	С		Add a new record (1)	1 (PS)	
2	d		Graphic, graphical, graphics or photographic	1 (KU)	Accept OLE <b>Not</b> graph
2	е		Add a new field	1 (PS)	
2	f		Memory can be altered	1 (KU)	Can't change ROM
3	а		She can carry it with her when she is working	1 (PS)	Concept of portability
3	b	i	Search and replace/find and replace/find and change	1 (KU)	
3	b	ii	Search for/ find audio (1) and replace with video (1) If only search for word and replace (1)	2 (PS)	
3	С		<ul> <li>Any two from:</li> <li>Different versions of words, their and there, wood and would, etc</li> <li>Names/places/towns/proper nouns</li> <li>Abbreviations</li> <li>Wrong dictionary</li> <li>Does not contain every word</li> </ul>	2 (KU)	
3	d		Any two from:  Has fonts and layouts already designed  Makes all the pages look similar  Saves time  Professional appearance	2 (KU)	

Qu	Question		Expected Answer/s	Max Mark	Additional Guidance
3	е		To move/goto another page or area	1 (KU)	
3	f		To make sure the previous set of numbers were entered in correctly/accurate and verify	1 (KU)	Not how it is calculated
3	g		Police or national security, Tax, DVLA, Data Controller	1 (KU)	MI5, MI6
3	h	i	They will make money	1 (PS)	
3	h	ii	They get a ready-made list of suitable customers, send out mailshots	1 (PS)	
3	h	iii	Junk or unauthorised mail or adverts, spam, identity fraud	1 (PS)	
4	а	i	Brief reminders of how to do a specific/single task	1 (KU)	
4	а	ii	A step-by-step guide or lessons, how-to-guide	1 (KU)	
4	b		Security or so no-one can see his password	1 (PS)	
4	С	i	Electronic Fund(s)	2 (KU)	
4	С	ii	<ul> <li>Any two from:</li> <li>Don't have a lot of cash lying in the till</li> <li>Guarantee of payment</li> <li>Don't have to deal with change</li> <li>Money goes straight to bank</li> <li>More secure than cash</li> </ul>	2 (PS)	
4	d		unreadable/ scrambled code, data is coded	1 (KU)	

Qu	Question		Expected Answer/s	Max Mark	Additional Guidance
4	е		Any one from:  Internet charges  Phone line rental  ISP  Electricity  Internet connection  Maintenance	1 (KU)	
4	f		Any <b>one</b> from:  • Less staff • Less buildings required • Can add in adverts for services • Open 24/7 • No bank statements	1 (KU)	
5	а		<ul> <li>Any one from:</li> <li>An interface that uses small icons</li> <li>Pictures to inform you what the computer can do</li> <li>Type of WIMP</li> <li>How you interact with computer</li> </ul>	1 (KU)	
5	b	i	Thin <b>Film</b> Transistor	2 (KU)	
5	b	ii	Any <b>one</b> from:  Uses less power  Light weight Health reasons	1 (PS)	
5	С		4 Gigabyte	1 (KU)	
5	d		Advantage:  Can add new equipment easily  Can use in different locations  No trailing wires  Disadvantage:  Slower than cable connection  Can lose connection  May not be very secure  Slower download	(KU)	Not slow or slower without qualification

Question		Expected Answer/s	Max Mark	Additional Guidance
5	е	Similarity:  Optical Random access Both use lasers Portable  Difference: CD –RW has a smaller capacity than DVD-R Can reuse CD-RW but not DVD-R DVD-R is used once but CD-RW is used many times	(KU)	
5	f	Any <b>two</b> from:  • Uses <u>English-like</u> words  • Has to be translated into machine code/ binary  • Portable  • Problem orientated	2 (KU)	Easy to debug/edit
6	а	Search engine	1 (PS)	No other
6	b	Any one from:     scanner     digital camera     camera on phone	1 (KU)	Not phone on its own Not USB or USB cable
6	С	Rotated (90 degrees) (1) scaled (1) or re-sized (1)	2 (PS)	Not cropped No other terms accepted
6	d	Advantage:      do not need a computer     do not need an Internet connection     can send them from almost anywhere     Instant arrival of messages     Don't require an email address  Disadvantage     limited amount of text     may cost     use of text language	(PS)	

Qu	estic	Expected Answer/s	Max Mark	Additional Guidance	
6	е	Any <b>one</b> from:  Modem Router	1	Not Hub or NIC	
			(KU)		
6	f	Adds interest	1 (KU)		
7	а	Any <b>one</b> from: <ul><li>Simulation</li><li>VR</li><li>Virtual reality</li></ul>	1		
		• CAD	(KU)		
7	b	Type of system — light (no marks) A light is shone on the floor (1) a sensor detects it (1) OR Type of system — magnetic (no marks) A cable/wire/strip/track set in the floor (1) and a sensor detects (1)	2 (KU)	Marks given for description only	
7	С	<ul> <li>Any two from:</li> <li>light or sirens on moving robots</li> <li>infra-red or movement or bump sensors</li> <li>warning signs</li> </ul>	2 (PS)		
7	d	Information sent back (1) from a sensor (1) OR Information sent back (1) from the robot (1) OR Information sent back (1) to the computer (1)	2 (KU)	Notion of information coming from (1) an automated system to (1) a computer	

[END OF MARKING INSTRUCTIONS]