

# 2013 Information Systems Higher

## **Finalised Marking Instructions**

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#### Part One: General Marking Principles for Information Systems Higher

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

#### **GENERAL MARKING ADVICE: Information Systems Higher**

The marking schemes are written to assist in determining the "minimal acceptable answer" rather than listing every possible correct and incorrect answer. The following notes are offered to support Markers in making judgements on candidates' evidence, and apply to marking both end of unit assessments and course assessments.

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 emarker 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) Technical terms which have been spelled incorrectly should still be awarded the relevant mark.
- (d) In situations where the subsequent part of a question depends on the correct answer to the first part, candidates who answer the first part incorrectly and then go on in the subsequent part of the question to give a correct answer based on their answer to the first part will be awarded the relevant mark for the subsequent part of the question.

- (e) In situations where the candidate has achieved the maximum number of marks available without getting to the end of their answer, a marker should award the maximum marks. However, in situations where there is only one correct answer and the candidate has split their answer with a / or an or, then this should not be accepted as a separate response and the marks should not be awarded. For example, if the correct answer for a data type question is date then a response of (date/time) or (date or time) would attract 0 marks as the / and the or combines the answer making it incorrect.
- (f) In situations where the candidate writes the correct answer followed by an alternative incorrect answer then this should not be penalised. However, if the candidate writes an incorrect answer followed by a correct alternative answer this should not be awarded the marks. For example if the correct answer to a 1 mark question is written and the candidate includes an alternative incorrect answer such as visual then the following would apply:

Written (visual) = 1 mark.

Written/visual = 0 marks (example of combining as in (e) above).

Visual (written) = 0 marks.

## Part Two: Marking Instructions for each Question

Question		on Expected Answer/s	Max Mark	Additional Guidance
1	а	<ul> <li>Changing Tennis club/Club secretary/ Club address/Club telephone (1 mark)</li> <li>Would affect multiple records or you might miss one or might make an error with one (1 mark)</li> <li>1 mark for each bullet</li> </ul>	2	Must be an implication of many to get second mark  Data duplication problems (1 mark)
1	b	<ul> <li>Introduce a surrogate key (2 marks)</li> <li>Introduce another attribute/field (1 mark)</li> <li>eg player no. or similar (1 mark)</li> </ul>	2	Give each player a unique number (2 marks)
2	а	UNF (1 mark) a multi-value attribute exists (2 marks)	3	
2	b	Many to Many (1 mark)	1	
2	С	Count (1 mark) and summary field/group footer/report footer (1 mark)	2	
3		Permitted/possible values (2 marks) Range of values (1 mark)	2	
4	а	Boolean (1 mark)	1	
4	b	Link (1 mark)	1	Do not accept linked object
4	С	Integer (1 mark)	1	
5		Correct or accurate (2 marks) Valid (1 mark)	2	
6	а	<ul> <li>Asks questions/consultation</li> <li>Gives advice /second opinion</li> <li>Contains knowledge</li> <li>From <u>several</u> experts</li> <li>Diagnose/plan/classify</li> </ul> (Any 2 bullets, 1 mark each)	2	Other answers acceptable
6	b	To deal with the large amount of day to day transactions (2 marks)  I large amount of data  operational data or day to day or transactions or supermarket till or similar  (1 mark) per bullet	2	

Ques	stion	Expected Answer/s						Max Mark	Additional Guidance
7		<ul> <li>multiple tasks</li> <li>start time/finish time of tasks</li> <li>timeline</li> <li>critical path         Any three bullets for one mark     </li> <li>Diagram must show any three of the above         Jan Feb Mar Apr May     </li> </ul>						3	A rough drawing is required here with no detail
							-		
8		<ul><li>Conta</li><li>Caler</li></ul>	ndar lists/To-I	Do Lists	rs)		2		
9		<ul> <li>must be obtained and processed fairly</li> <li>must be held only for lawful purposes</li> <li>must be held only for those purposes</li> <li>must be relevant and not excessive</li> <li>must be accurate</li> <li>must be held no longer than necessary</li> <li>must be surrounded by proper security</li> <li>must be provided on request to the individual concerned</li> </ul> (1 mark for each bullet – max 2 marks)						2	Accept "ask for owner's permission" for bullet point 1  Mention of sharing information within the EU – accept points relating to this.
10		<ul> <li>Massive amount of data</li> <li>Internal data</li> <li>Different databases</li> <li>Operational data</li> <li>Too large to search</li> <li>Continually updated</li> </ul> (1 mark for each bullet – max 2 marks)					2	Other answers possible	

Question	Expec	ted Answer/s	Max Mark	Additional Guidance		
11						
-	UNF	2NF	3NF			
	Student No	Student No	Student No	Student No		
	Student name	Student name	Student name	Student name		
	Home address	Home address	Home address	Home address		
	Room number	Room number	Room number	Room number		
	Hire cost	Stock No*	Stock No*			
			Term	Term		
	Manufacturer			Student No*		
	Test date	Manufacturer				
	Term	Test date	Stock No	Stock No		
		Term	<u>Item</u> Item*			
		Student No*	Hire cost	Manufacturer		
			Manufacturer Test date	Test date		
			resi dale	<u>Item</u>		
				Hire cost		
		<u>l</u>		1 0 0001		
	<ul> <li>1 mark for including</li> <li>2NF</li> <li>1 mark for removing</li> <li>NOT Student No) - o</li> <li>1 mark for leaving a behind</li> <li>3NF</li> <li>1 mark for removing</li> </ul>	mark for creating a second entity including Student No mark for including all 6 multi valued attributes shown (ignore extra attributes)  F mark for removing Stock number (accept part of candidate's compound key but of Student No) - compound PK must remain together mark for leaving a copy of Stock number (or part of candidate's compound key) of hind  F mark for removing a non-key dependency provided a PK is not removed with it mark for leaving a copy of the non-key dependency behind.				
		•	•	placed <b>non-key</b> attribute n entities)		
		compound Primary ke k No + Term + Studen k number as PK				
	(3 marks for Foreig  1 mark for each Note: an atomic Ph	correct Foreign key for	or the candidate's 3N	F entities		

Qu	esti	on Expected Answer/s	Max Mark	Additional
12	а	Driver Trip Van  Route  1 mark for each correct join with no extra join and 1 more mark if the join has the correct cardinality	6	Guidance Count each extra join once eg 2 extra joins with 3 correct joins would be awarded 4 marks. A join is a single line between two entities.
12	b	A – Text (1 mark) B – Lookup from Route (Table) (1 mark) C – N (1 mark) D – FK (1 mark)	4	
13	а	The entity integrity would be lost (1 mark)  as Refuel town might be null (1 mark) as it might not be necessary to refuel (1 mark)  OR  Refuel town may not be unique (1 mark) as two routes may use this town (1 mark)  Historic and Aural	2	
13	b	Timing poor – game took place in 1966, not current/in the past/years ago good – appropriate time in the media studies course  Presentation poor – no picture, crackly audio good – BBC professionally produced  Reliability Poor/bias - possible BBC bias towards British team? (must state England or British team) Good/reliable – BBC reputation	6	2 marks for the comment that supports the answer. Need to say good or poor with a reason to get 2 marks under each term  Must relate to scenario for 2 marks – generic answers only – 1 mark  Reason without stating good/poor – 1 mark

Qu	esti	on	Expected Answer/s	Max Mark	Additional Guidance
14	а		Backup, Security, Software and Upgrade	4	
14	b		Tanalam (4 manth)	6	
1-			Topology (1 mark) Auditing and monitoring software (1 mark)  LAN WAN	o o	1 mark for a description of 1 bullet
			<ul> <li>Distributed network</li> <li>Ring</li> <li>Star</li> <li>Bus</li> <li>Mesh</li> <li>Diagram of above</li> </ul>		1 mark for any 2 bullets
			<ul> <li>Client/server</li> <li>Peer to peer</li> <li>Network adapter, NIC</li> <li>Structured cabling</li> </ul>	<b>→</b>	With (network) hardware  – 1 mark
			<ul> <li>Network operating system</li> <li>Network account</li> </ul>	>	With (network) software  – 1 mark  Insist on network operating system or operating system for server
15	а	i	<ul> <li>Font (size or style or colour)</li> <li>Colour (not font colour)</li> <li>Navigation</li> <li>Structure/layout</li> <li>Graphics/logo</li> <li>Alignment</li> <li>Background</li> </ul> (Any 4 bullets for 4 marks)	4	Navigation means how the buttons appear or whether a navigation bar is used
15	а	ii	Template (1 mark) or master page (1 mark) or stylesheet (1 mark) and apply it to every page (1 mark)	2	

Qu	estion	Expected Answer/s	Max Mark	Additional Guidance
15	b	Social –  • makes the world a smaller place  • good for keeping in touch with friends  • become more information rich  • addictive – affects family and personal life  • arranging nights out, etc  • cyber bullying	6	Do not accept reduces face to face communication
		<ul> <li>Legal –</li> <li>Regulation of Investigatory Powers Act</li> <li>how it affects private messages</li> <li>Computer Misuse Act</li> <li>illegal for others to hack your private messages</li> </ul>		Computer Misuse Act can only get a mark if accompanied with a correct explanation
		Ethical –  • Freedom of speech, yes or no  • Can facilitate crime  • Increases global citizenship  • Grooming by deception		Personal/private messages being read by others (1 mark) Invasion of privacy (1 mark)
		(Any one bullet for 1 mark from each of the 3 headings)		Taking a stand (good or bad) and attempting to justify (1 mark)

## **Applied Multimedia**

Que	stio	n	Expected Answer/s	Max Mark	Additional Guidance
16	а	i	<ul> <li>good communication /interpersonal skills</li> <li>good team leading skills (leadership)</li> <li>good time management skills</li> <li>good organisational skills</li> <li>good budgeting skills</li> </ul> (Any 2 bullets for 2 marks)	2	
16	а	ii	Any 3 from:  Purpose – information resource from primary pupils  User / Audience – primary pupils  Content – photos, video & sound clips of owls at sanctuary  Delivery media – www (not website)  Timescale – start of school term in October  Budget – (1 mark)	6	Need "of owls" to get 2 marks Need to state October
16	а	iii	<ul> <li>Creates overall design of the owl website</li> <li>Decide on positioning of the photos, video, sound clips and text of the owls</li> <li>Responsible for structure, navigation, screen layout, interactivity.</li> <li>Creates storyboards</li> <li>Multimedia Programmer         <ul> <li>Creates the website</li> <li>Expert in the chosen software.</li> <li>Matches the design</li> </ul> </li> <li>Interactions         <ul> <li>Multimedia Designer and Media Specialist</li> <li>Multimedia Designer and Project Manager</li> <li>Multimedia Designer and Subject Expert</li> <li>Multimedia Programmer and Project Manager</li> </ul> </li> <li>Multimedia Programmer and Project Manager</li> </ul>	6	

Question		n	Expected Answer/s	Max Mark	Additional Guidance
16	b	-	Sketch diagram to include:  text box including the title "Pygmy Owl" (1 mark)  2 boxes showing movie clip and photo (1 mark)  Box/icon with indication to play sound (1 mark)  Index button and Quit button (1 mark)  Navigation indicated on the Index button to return to the index page (1 mark)	5	
16	b	ii	<ul> <li>Any valid points relating to the website</li> <li>Owl sanctuary heading font, style, sizes on the home page</li> <li>file names etc for the video and sound clips</li> <li>background and colour information</li> <li>link information for index page</li> </ul>	3	Answers must be specific to storyboard drawn in part (i)  Do not accept generic answers apart from background colour
16	C		<ul> <li>Colour depth –</li> <li>a slight reduction in number of colours wouldn't be noticed</li> <li>lose too many colours – begins to look less real/like a cartoon</li> <li>Resolution –</li> <li>changing the dpi may make the photo too small</li> <li>it may appear pixelated</li> <li>Compression</li> <li>will reduce quality</li> <li>since being viewed on computer monitor than difference in quality not so distinguishable</li> <li>1 mark for any bullet under each heading above and also 1 mark for each of these bullets under any one heading (max 6 marks)</li> <li>Smaller file size</li> <li>Quicker download</li> <li>Suitable for web application/context of primary pupils</li> </ul>	6	
16	d		MP3 is suitable – <i>(1 mark)</i> sound recorded <i>(1 mark)</i> MIDI is digitally created <i>(1 mark)</i>	3	

Que	stio	n	Expected Answer/s	Max Mark	Additional Guidance
16	е		Increase frame rate (2 marks) Frame rate (1 mark)  Reduce window size (2 marks) Window size (1 mark)	2	
16	f	-	<ul> <li>Any two from</li> <li>Requirements specification</li> <li>Navigation map</li> <li>Record of testing.</li> </ul>	2	
16	f	ii	User documentation	1	
17	а		<ul> <li>data capacity (1 mark) – kiosk limited in storage depending on disk size, www infinite (1 mark)</li> <li>data transfer rate (1 mark) – kiosk fast transfer rate from hard disk, www depends on users connection (1 mark)</li> <li>window size (1 mark) – www displayed on browser window size, similar to kiosk with screen size (1 mark)</li> <li>ease of update (1 mark) – very easy to update www, from server, updating kiosk may be more difficult (1 mark)</li> </ul> Any 2 bullets for 2 marks each	4	Must have comparison plus 1 point relating to www or kiosk e.g. www can hold a lot more than kiosk which is limited to the size of the disk
17	b	i	direct manipulation (GUI) (1 mark) or menu (1 mark)  - touch screen requires no extra hardware attached to kiosk (1 mark)  - no specialist knowledge required (1 mark)  One type and one reason for 2 marks	2	
17	b	ii	1 mark for stating each criteria, 1 mark for each reason  consistency – consistent as both screens use a consistent font, size and style. Same colours and layout of information  avoiding information overload – minimal information, contact details brief in the left hand panel  navigation – no visible navigation	4	

Decision making (1 mark)  A generic definition of any of the above 2 is only worth 1 mark  Any example related to the scenario is worth 2 marks, eg  (Decision Making) – customers could use this information to decide on which restaurant to go to (2 marks)  (Decision Making) – Could use this information to book a table by phoning or e-mail (2 marks)  (Decision Making) – Could use this information to find out more about the restaurant by visiting the website or	Question	n Expected Answer/s	Max Mark	Additional Guidance
emailing the restaurant before deciding whether to book a table (2 marks)  (Planning) – need to include at least two steps eg when planning a booking:  • check when restaurant is open • number of people going • how much money to take • time of the meal • when to leave to get to the restaurant in time	17 c i	<ul> <li>Planning (1 mark)</li> <li>Decision making (1 mark)</li> <li>A generic definition of any of the above 2 is only worth 1 mark</li></ul>		Candidates will not be penalised in part (ii) if they do not answer part (i)

## **Expert Systems**

Question	Expected Answer/s	Max Mark	Additional Guidance
18	<ul> <li>Earliest or first expert to be developed</li> <li>Developed in 1965</li> <li>Domain was (molecular) chemistry</li> <li>Used to classify (organic compounds)</li> <li>Analysed results from a mass spectrum</li> <li>Created at Stanford University</li> <li>Written using Lisp</li> <li>Mycin and/or Prospector and/or XCON were derived from Dendral</li> <li>Two main programs were Heuristic Dendral and Meta-Dendral</li> <li>Uses plan-generate-test-paradigm rather than forward or backward chaining</li> <li>Limited the possible results using constraints</li> <li>1 mark for any bullet (4 max)</li> </ul>		Any 4 valid points for 4 marks
19 a	Benefit Combination of knowledge from 'different parts of the world' (2 marks)  • Preservation of expertise  • dissemination of expert knowledge  • combining expertise of multiple experts  • available 24/7 (1 mark)  Drawback Other types of weed (2 marks) Restricted domain/high development and/or maintenance costs (1 mark)	4	A generic answer is only worth a maximum 1 mark for each
19 b i	(leaf, hairy) (stem,spines) (flower, flattened globe)  1 mark for one correct pair and 1 mark for two more correct pairs with a consistent notation	2	Accept variations in the notation like leaves=hairy or alternative forms or alternative variables eg shape instead of flower

Qu	esti	on		Expecte	d Answer/	's	Max Mark	Additional Guidance
19	b	ii	_				4	The order of the
				leaf	stem	flower		columns is not
			bull	rough	spines	vase		important
			musk	smooth	naked	large disc		Bull, musk and
			Scotch	hairy	spines	Flattened		Scotch can be in any
						globe		order
								Capital letters and
				r having fo		S		plurals are not
				r three hea				important here One or two headings
				r one corre				only could still get the
			1 mark to	r two other	correct ro	ows		final two marks
								martwo marko
19	b	iii	IF leaf IS r	ough			5	Accept variations of
			AND stem					the form
			AND flowe					weed is bull
			THEN this	tle IS bull				if leaves=rough
								and flower=vase
			IF leaf IS s					and stem=spine
			AND stem					providing the
				er IS 'large o				candidate is
			I HEN this	tle IS musk				consistent
			IT loof IC h	i				Do not penalise
			IF leaf IS h AND stem	•				syntax involving capitals or lack of
				r IS 'flatten	ed alohe'			quotes
				tle IS 'Scot				quotes
			1111214 (1113	110 10 0001	<b>711</b>			
			1 mark fo	r one corre	ct rule			
						nd consistant		
			rules					
				r use of IF,				
				r consister				
			1 mark fo	r use of thi	stle variab	ole (or similar)		

Qı	Question		Expected Answer/s	Max Mark	Additional Guidance
19	b	iv	<ul> <li>What type of leaves?</li> <li>Rough</li> <li>Smooth</li> <li>Hairy</li> <li>1 mark for any question (or statement like 'Describe') about leaves, stems or flowers</li> <li>1 mark for a list of options including those options given in the notes</li> </ul>	2	
19	С		System validation (1 mark)  Domain expert  tests  thoroughly  compare with experts knowledge  marks for any 3 bullets	4	<ul> <li>Each generic point is only worth 1 mark</li> <li>If in context, worth 2 marks</li> <li>Idea of structure or thorough testing, worth 3 marks</li> </ul>
20	а	i	Let P = business>amount Q = people>50 R = yes to loan then P^Q \rightarrow R  1 mark for setting up proposition statements 1 mark for use of ^ and \rightarrow	2	Allow variations for P, Q and R including single words business>amount ^ people>50 -> yes to loan (1 mark only)
20	а	ii	<ul> <li>Certainty factors for each condition and rule</li> <li>Method for combining certainty factors in a rule: CF outcome = CF rule x min (CF conditions)</li> <li>2 marks for each bullet</li> </ul>	4	Certainty factors (1 mark) There is a rule for combining (1 mark)  Putting it in context such as CF 'yes to loan'= CF rule x min (CF 'business>amount', CF 'people>50') or CF R = CF rule x min (CF P, CFQ) gets 4 marks (all bullets are exemplified)

Qı	Question		Expected Answer/s	Max Mark	Additional Guidance
20	b	i	Level for bank is operational (1 mark) Level for client is tactical/strategic (1 mark) it has a more long term effect/more major impact for the client (1 mark) or only day to day (less impact) for the bank. (1 mark)	З	
20	b	ii	Justification facilities / HOW (1 mark) showing which rules were used/looking up rule tree. (1 mark)	2	
20	С		<ul> <li>External courses</li> <li>In-house training</li> <li>On the job training</li> <li>1 mark for each bullet (max 2 marks)</li> </ul>	2	
20	d	i	Responsibility is with the employee that authorised the loan / not with the expert system (1 mark)  The expert system is only a 'second opinion' / the employee makes the decision (1 mark)	2	
20	d	ii	<ul> <li>Information that relates to the 'people' or 'business' scores may not be fully revealed</li> <li>Economic conditions may change</li> <li>There could be an unforeseen accident that affects the business or people involved</li> <li>2 marks for any bullet</li> </ul>	2	Other answers are possible that relate to the systems limited knowledge Do not accept answers that relate to poor testing

Question	Expected Answer/s	Max Mark	Additional Guidance
Question 21	<ul> <li>Expected Answer/s</li> <li>There is a change to working memory</li> <li>Facts are added/removed</li> <li>Rules are sought</li> <li>Using the RETE algorithm</li> <li>To form a conflict set</li> <li>Rules match facts in working memory</li> <li>A conflict resolution strategy is used</li> <li>1 mark for each bullet</li> <li>Additional marks for correct order</li> <li>Change to working memory THEN rules are sought (1 mark)</li> <li>RETE algorithm used THEN conflict set formed (1 mark)</li> <li>Conflict set THEN conflict resolution (1 mark)</li> <li>Conflict Resolution</li> <li>Exemplification of conflict resolution can gain a further 2 marks either by naming two or one with a description</li> <li>rule ordering/first-come-first-served – each rule has a fixed ranking</li> <li>recently – which rule uses most recently added facts</li> <li>specificity/size ordering – which rule has the largest number of conditions</li> <li>refractoriness – do not keep choosing the same rules to fire or do not fire the same rule twice in a row</li> <li>data ordering – choose the rule with the most important conditions</li> <li>context limiting/setting a rule agenda – only consider a rule about a certain aspect</li> <li>Max 8 marks</li> </ul>	8 8	Additional Guidance  Do not give credit for answers that do not use the correct terms other than 3 marks for the order of events

#### The Internet

Question		on	Expected Answer/s	Max Mark	Additional Guidance
22	а		A = /title B = /head C = body D = alt  1 mark each	4	
22	b		<style> .style1 {font-size: 9pt} </style> <style> + </style> (1 mark) .style1 (1 mark) {font-size and } (1 mark) :9 (1 mark)	4	Need both tags for 1 mark Need to have dot Need to have opening and closing bracket Need colon (pt not needed in answer)
22	С	i	Shows large image (1 mark) in new document/page/same window (1 mark)	2	
22	С	ii	Jumps to a new section within the current document (2 marks) or Opens additional information on the same page (2 marks)	2	
22	С	iii	Starts/activates/launches (1 mark) an email client (1 mark)	2	
23	а		A set of rules (1 mark) for exchanging information or data transmission (1 mark)	2	
23	b		<ul> <li>IP – for routing (packets across networks)</li> <li>TCP – arranges delivery (of data from one device to another)</li> <li>TELNET – to control a remote device</li> <li>DNS – to allow translating of domain names into IP addresses</li> </ul> Any two bullet points	4	1 mark for protocol name 1 mark for purpose Accept other protocols such as smtp, pop, http, https, ftp, etc
23	С		IETF	1	
24	а	i	255.255.255.0	1	
24	а	ii	192.168.0.254	1	

Question		on	Ex	pected Answer/s	3	Max Mark	Additional Guidance
24	24 b		To connect		2		
			or To route traffic fro	ım <i>(1 mark</i> )			
			10 Todio tramo no	iii ( <i>i many</i>			
			one network to ar	other			
			or an internal netwo	rk and the Intern	et (1 mark)		
			an internal network	K and the intern	ot (Thany		
24	С		A router or bridge			1	
24	d					4	This is marked in
	u		Station	Subnet Mask	Gateway	7	pairs
			Address		Address		
			192.168.0.56	Yes	Yes		
			192.168.0.232	Yes	No		
			2 marks for Yes,	No for Gatewa	V		
			1 mark for Yes,				
			1 mark for Yes, I				
24			NI to IO A NI	.1		4	
24	е		Nominet or ICANI	N	1		
24	f		(www.)zombeez.c			2	A commercial domain
		(www.)zombeez.com  Do not accept use of Total Action in a pathway					name (1 mark) with
							an indication of the game name (1 mark)
			eg <u>www.totalactio</u>			game name (1 mark)	
			www.totalaction.c	o.uk <b>(1 <i>mark</i>)</b>			
24	g		Breach of	Computer Misus	se Act	3	
	3			d in US where U			
			no authori	ty	•		
		Notify US authorities     Ask for games designer to be systradited.					
		<ul> <li>Ask for games designer to be extradited to UK</li> </ul>					
				uthorities for co-c			
			7.01.00 40		sporation		
			(Any 3 bullets fo	r 3 marks)			
25	а		Bias – no bias or	equal basis <i>(1 n</i>	nark) as site	4	Representing both
_	_		shows balance of	•	•		points of view for each
			Credibility – high/	• • •			is acceptable
			been reviewed by	other bodies/ma	agazines		
			(1 mark)				
25	b		Answer should demonstrate cost related to			2	At least one reference
		monetary cost – in this case by				to website for 2	
			subscription/main				marks, generic
		and value to importance of information to the fans/company (1 mark)		ation to the		answers = 0 marks	
			Tans/Company (1	ıııaın <i>)</i>			

Qı	Question		Expected Answer/s	Max Mark   Additional Guidand	
25	С		Primary (1 mark) External (1 mark)	2	
25	d		<ul> <li>Site is dynamically/constantly changing</li> <li>Need server-side language/scripting</li> <li>Posts saved in database</li> <li>To prepare new page for each request/refresh</li> <li>Php has the capability to do this automatically</li> <li>HTML code would need to be constantly revised</li> </ul> Any 4 bullets at 1 mark each	4	
25	е		Pre-validates form (1 mark) for faster response to user (1 mark) or Frees up server(1 mark) to carry out other tasks (eg php) (1 mark)	2	Less processing by the server – 0 marks

[END OF MARKING INSTRUCTIONS]