MARK SCHEME for the May/June 2015 series

0417 INFORMATION AND COMMUNICATION TECHNOLOGY

0417/22

Paper 2 (Practical Test A), maximum raw mark 80

This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began, which would have considered the acceptability of alternative answers.

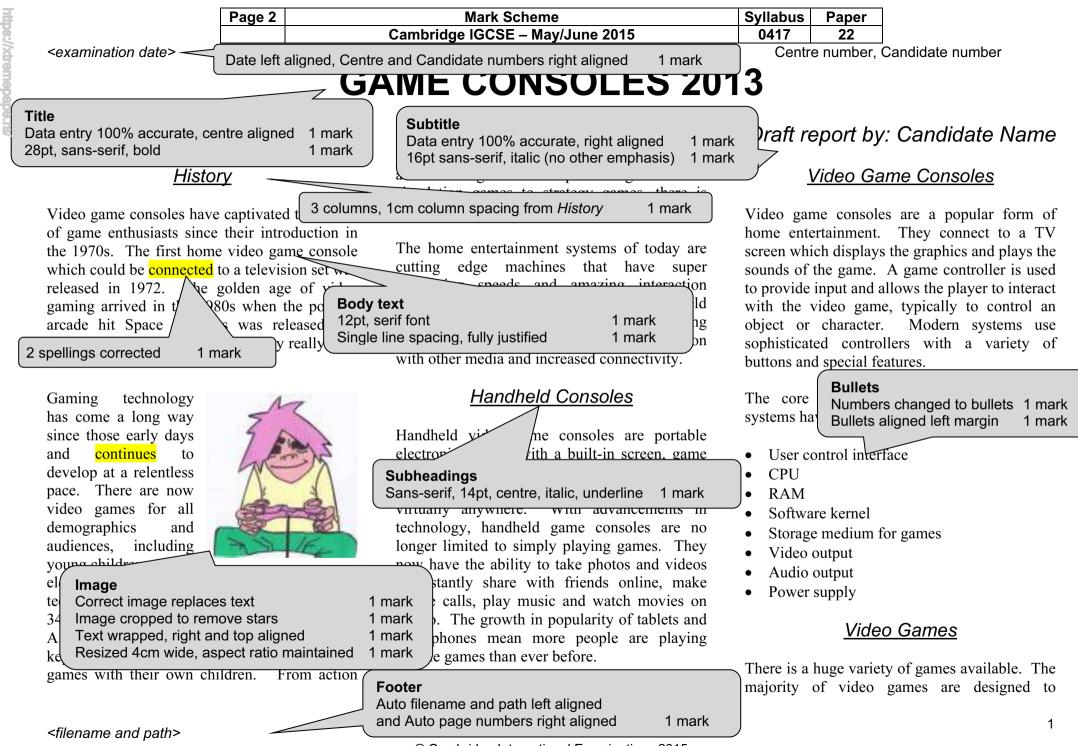
Mark schemes should be read in conjunction with the question paper and the Principal Examiner Report for Teachers.

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entertain people but they can also educate, inform, persuade and stimulate the user. Games are categorised into commonly used video game genres which are mainly based on their gameplay, interaction and category.

Aggressive competition between manufacturers has resulted in the superior features we have today. Today's games are increasingly realistic and technologically advanced. They feature richly textured, full-colour graphics, amazing sound and complex interaction between player

Table

Table	
New table column in correct position	1 mark
Data entry 100% accurate	1 mark
Top row cells merged, heading centred	1 mark
Top row bold and italic only	1 mark
Second row bold, centred only	1 mark
Font matches body text, text within column	1 mark
Text on one line, outline border displayed	1 mark

movie, the difference being that the gamer controls the action!

Some video games have been criticised for glorifying violence, cruelty, and crime and exposing children to these elements. There are concerns that children who play violent video games may have a tendency to behave more aggressively. This has led to a voluntary rating system being adopted by the industry.

The Entertainment Software Rating Board (ESRB) ratings provide information about the

content in video games so consumers, especially parents, can make informed choices. Rating categories suggest age appropriateness and are as follows:

	Rating Categori	es
RATING	MEANING	AGE
EC	Early Childhood	Young children
E10	Everyone	All ages
E10+	Everyone 10+	10 and over
Т	Teen	13 and over
Μ	Mature	17 and over
AO	Adults Only	18 and over
RP	Rating Pending	Not assigned

Online Gaming

Online gaming is one of the most popular entertainment activities on the World Wide Web. With the evolution of advanced Internet technologies, and cheaper and more accessible broadband connectivity, the number of younger web users has increased, resulting in a demand for online games across the continents. Many

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earn advertising revenues.

The launch of World of Warcraft prompted console giants such as Sony, Microsoft and Nintendo to produce advanced gaming consoles and gaming software that allowed users to play against one another online. This brought multiCentre number, Candidate number player games to the console environment and allowed users to play with others anywhere in the world.

Accessories

There are a wide range of accessories available which are designed to enhance the gaming experience and make the action more enjoyable and realistic. From gaming chairs with inbuilt sound and vibrating capabilities, to gaming headsets and steering wheel controllers for use with driving games, there are numerous accessories to help people get the most out of their gaming session.

Global Sales

Video games have never been more popular. The industry is worth around \$80 billion worldwide, which matches the global film industry. The biggest titles comfortably out earn blockbuster movies. However the sale of consoles and video games has seen a steady

1 mark 1 mark recent years and retail sales are down The gaming world is changing. more widely used for gaming, more

games are available for download and consoles have more functions than just gaming.

Dedicated games consoles are expensive and non-portable so it is not surprising that industry growth is coming from other sources. Gaming on tablets and smartphones is growing rapidly,

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as are games played through web browsers and social-networking sites. Dedicated gamers believe the smartphone or tablet screen cannot match the experience of gaming on a highpowered, dedicated device in front of a large television screen. Time will tell whether the traditional games console can survive.

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Developments

The development of new consoles usually occurs in five to six year cycles. Some believe that the latest eighth generation machines may be the last of the home video game consoles. Could it be curtains for consoles?

We live in a world where social networking and interactive gameplay are now mainstream activities. Video gaming takes place between gamers all across the world and there is a move towards playing console-quality games through a web browser or a cloud-based gaming service. Some consider this gameplay experience to be comparable or even better than playing the game on a console or on a high-powered PC. These games can be played on any Internetenabled device, even tablets and smartphones.

Modern video game consoles do so much more than play games. Manufacturers are keen to promote their consoles as complete home entertainment systems which stream films, play live TV, place video calls and browse the internet. These additional multimedia features

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and functions greatly enhance the functionality and everyday use of the game console. With these developments they are set to continue as an important source of leisure and entertainment, education and social interaction for many years to come.

Mark Scheme

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Paragraph moved to correct position 1 mark

1		
	Page layout	
	Consistent spacing with 12pt line space after each	
	paragraph, subheading, list and table	1 mark
	No widows or orphans, no split lists or tables, no blank pages	1 mark
	Document complete/paragraphs intact	1 mark

Paper

22

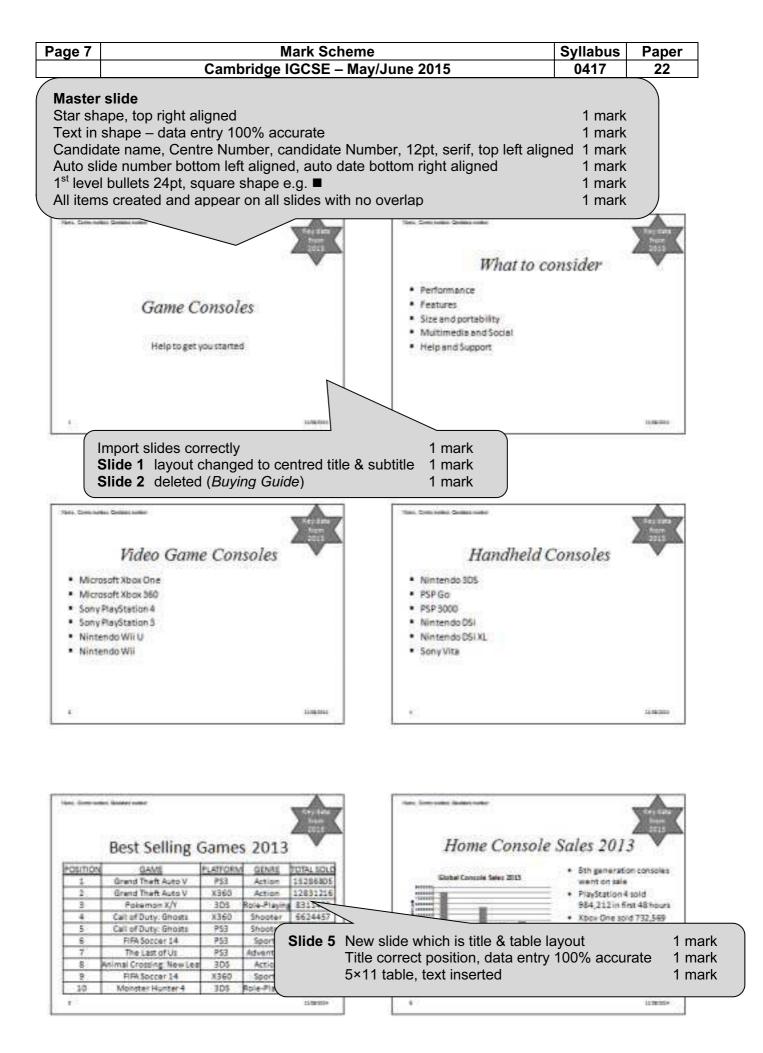
Syllabus

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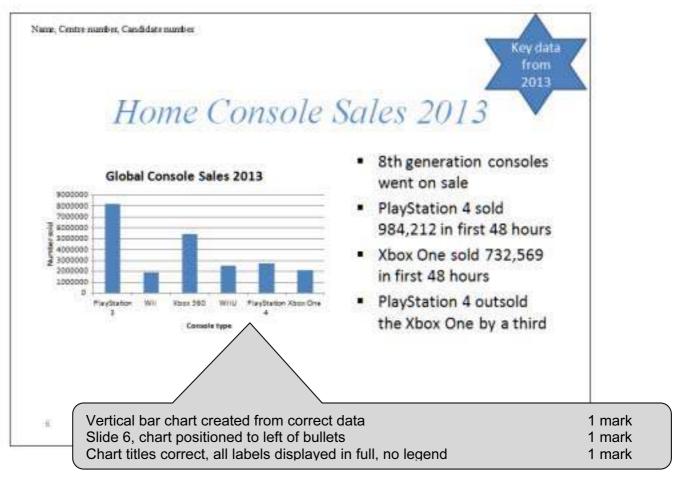
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chart_post	27	Gran Turismo 3: A-Spec			er Entertainment	PS2	Racing		6.85	14.98	46%
	42	Gran Turismo 4			er Entertainment	PS2	Racing	•	3.01	11.66	26%
	47	Gran Turismo			er Entertainment	PS	Racing		4.02	10.95	37%
	49	Gran Turismo 5			er Entertainment	PS3	Racing		2.74	10,7	26%
	60	Gran Turismo 2			er Entertainment	PS	Racing				41%
	86	Need for Speed Underground		Electronic Arts		PS2	Racing		alculated f		45%
	97	Need for Speed Underground	2	Electronic Arts	S	PS2	Racing		-	% accurate 1	0070
	109	FIFA Soccer 12	Search			PS3	Sports	·	alculated fie		mark 12%
	156	Madden NFL 2004		PS, PS2, PS3	1 mark	> PS2	Sports		ormatted %		81%
	174	Tony Hawk's Pro Skater		ports or Racing	1 mark	PS	Sports	, (to	0 decimal	places 1	mark 68%
	180	FIFA Soccer 11		ition is <=300	1 mark	PS3	Sports		0.58	4.98	12%
	184	Madden NFL 06				PS2	Sports		3.98	4.91	81%
	<mark>191</mark>	Crash Team Racing			er Entertainment	PS	Racing	S	2.57	4.79	54%
	194	The sing once Hit & Run		Vivendi Game	S	PS2	Racing	•	1.73	4.70	37%
	196	Tony Changed from 566	to 191 1 m	ark ctivision		PS	Sports		3.05	4.68	65%
	207	Madd		lectronic Arts		PS2	Sports		4.18	4.53	92%
	210	Madden NFL 07		Electronic Arts	S	PS2	Sports		3.63	4.49	81%
	216	Tony Hawk's Pro Skater 3		Activision		PS2	Sports		2.66	4.41	60%
	217	Winning Eleven: Pro Evolution		-	l Entertainment	PS2	Sports		0.10	4.39	2%
	219	Need for Speed: Most Wanted	k	Electronic Arts		PS2	Racing		2.03	4.37	46%
	<mark>222</mark>	FIFA Soccer 14	_	Electronic Arts		PS3	Sports		0.46	4.31	11%
	228	FIFA Soccer 06		-Letronic Arts	5	PS2	Sports		0.78	4.21	19%
	237	Madden NFL 2003	(2 records added			2 marks	_	3.36	4.14	81%
	238	Gran Turismo 5 Prologue			position ascending	r	1 mark	5	1.25	4.14	30%
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	273 283	FIFA Soccer 2005		Electronic Arts		PS2	Sports		0.58	3.79	40% 16%
	288	Tony Hawk's Pro Skater 4		Activision	J	PS2	Sports		2.13	3.67	58%
	288	Pro Evolution Soccer 2008			l Entertainment	PS2	Sports		0.05	3.63	1%
	300	The Simpsons: Road Rage		Electronic Arts		PS2	Racing		2.02	3.61	56%
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Game	•	se_year	Platform	Publisher	Global
New Super I		2006	DS	Nintendo	29.28
Mario Kart [2005	DS	Nintendo	22.73
Super Maric		2004	DS	Nintendo	10.00
Super Maric		1989	GB	Nintendo	18.14
	Land 2: 6 Golden Coins	1992	GB	Nintendo	11.18
Super Maric		1996	N64	Nintendo	11.89
Super Maric		1985	NES	Nintendo	40.24
Super Maric	Bros. 3	1988	NES	Nintendo	17.28
Super Maric	World	1990	SNES	Nintendo	20.61
Super Maric	All-Stars	1993	SNES	Nintendo	10.55
Mario Kart \	Nii	2008	Wii	Nintendo	34.12
New Super I	Mario Bros. Wii	2009	Wii	Nintendo	27.06
Super Maric	o Galaxy	2007		Nintendo	10.97
Name Cent	re number, candidate number			Total sales (millions)	264
Specifie Portrait,	Platform ascending then Global des ed fields any order 1 page wide, candidate name, Cer at bottom of report		per and candidate	1 mark 1 mark 1 mark	
Step 41 Ma	aster slide screenshot		Calculated total Correct position formatted to 0 d Label to left is 1	and ecimal places	1 mark 1 mark 1 mark
	Click to edit Master	r title	style		
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Print

Slides printed as hand outs six to a page and single slide print out of Home Console Sales 2013 slide 1 mark

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EVIDENCE DOCUMENT

Height: 21 cm

Step 4 Paper size screenshot evidence Step 5 Margin screenshot evidence the Resident Street of the 2 X 2 × Page Setup Page Setup Margins Paper Layout Margins Paper Layout Margins Paper size: 4 Sottom: 2 cm Top: 2 cm A4 ٠ Left: -1.5 cm 1.5 cm Bight: Width: 29.7 cm ÷ 0 cm \$ Gutter: Gutter position: Left

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4

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Screenshots of settings for Page layout of report		
A4 and Landscape	1 mark	
Margins top and bottom 2cm, left and right 1.5cm	1 mark	
Accept top and bottom 0.79", left and right 0.59"		

Step 31 Database field structure screenshot

\$

Field Name	Data Type		
Chart_position	Number		
Game	Text		
Platform	Text		
Release_year	Number	✓ Database structure	
Genre	Text		1 morte
Publisher	Text	Correct field names and data types as given	1 mark
North_America	Number		
Europe	Number		
Japan	Number		
Rest_of_World	Number		
Global	Number		

Step 51 contact/address book screenshot evidence

P New Contact		🚥 Actions 🗸	/ Edit Details	As
All Contacts (2) Deleted Contacts	Sharif Thabo s.thabo@cie.o	rg.uk	Sharif Thabo	
		ss Book/Contacts ot entry Sharif Thabo,	s.thabo@cie.org.uk	1 mark

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Step 54 Place a screenshot of the email showing attachment here:

CC Sharif Thabo	To: design.h@cie.org.uk 1 mai cc: s.thabo@cie.org.uk 1 mai
Game Console Report	Subject: <i>Game Console Report</i> 1 mar Only document attached, appropriate file
Name Centre Number Candidate Number	extension (not original or rtf)1 maiMessage text correct1 mai
The amended report is attached t	or your approval.
The amended report is attached t	or your approval.
The amended report is attached t	or your approval.
The amended report is attached t	or your approval.
The amended report is attached f Games Report.odt	Remove Download ~