CAMBRIDGE INTERNATIONAL EXAMINATIONS

Cambridge International General Certificate of Secondary Education

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.

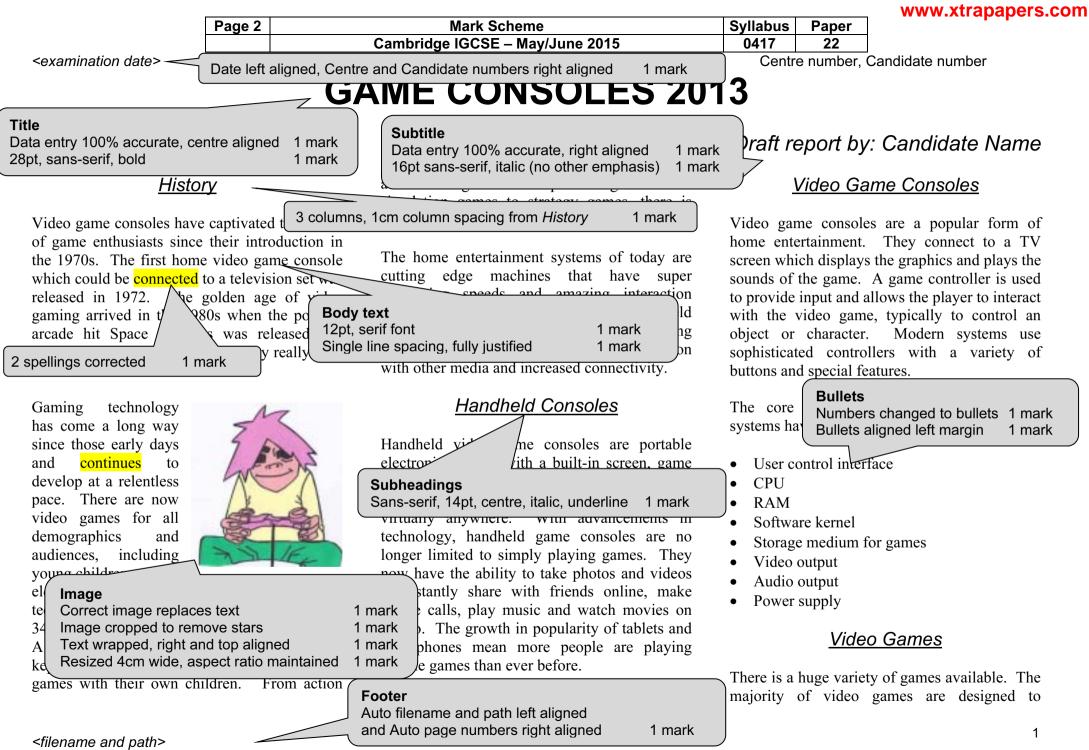
Mark schemes should be read in conjunction with the question paper and the Principal Examiner Report for Teachers.

Cambridge will not enter into discussions about these mark schemes.

Cambridge is publishing the mark schemes for the May/June 2015 series for most Cambridge IGCSE[®], Cambridge International A and AS Level components and some Cambridge O Level components.

® IGCSE is the registered trademark of Cambridge International Examinations.





© Cambridge International Examinations 2015

www.xtra	papers.	com
----------	---------	-----

Page 3	Mark Scheme	Syllabus	Paper
	Cambridge IGCSE – May/June 2015	0417	22

<examination date>

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

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 Categories					
RATING	MEANING	AGE			
EC	Early Childhood	Young children			
E10	Everyone	All ages			
E10+	Everyone 10+	10 and over			
Т	Teen	13 and over			
М	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

3pt to 4pt outside border applied to paragraph Light grey shading

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,

Page 4	Mark Scheme	Syllabus	Paper	
	Cambridge IGCSE – May/June 2015	0417	22	
		Centr	e number,	Candidate number

<examination date>

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.

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.

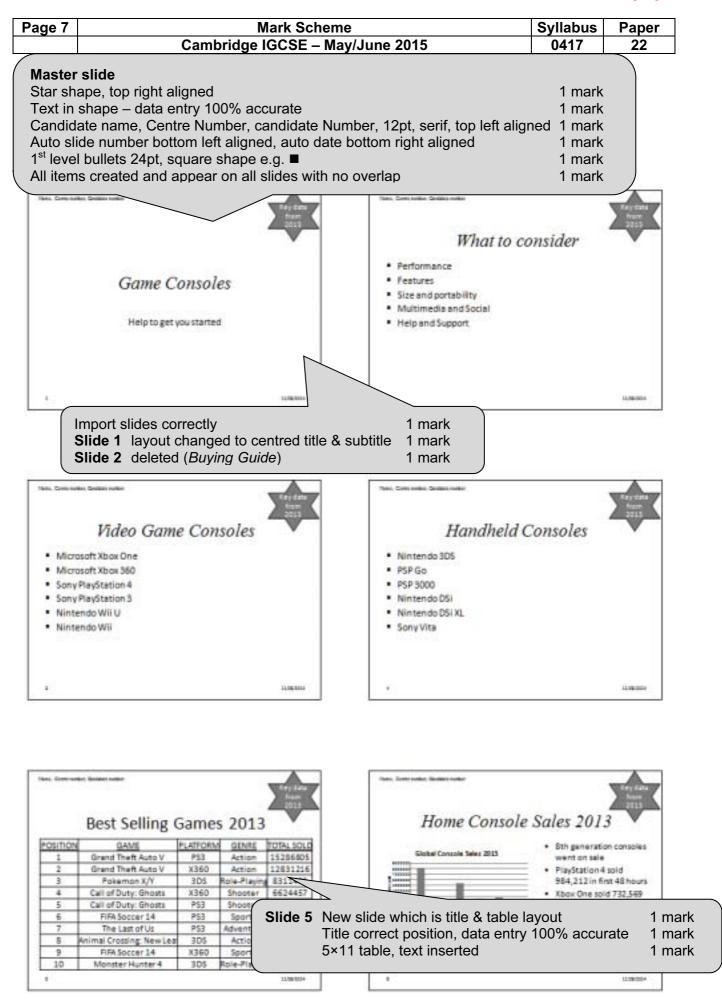
Modern video game consoles do so much more than play games. Manufacturers are keen to promote their consoles as complete home entertainment systems which stream films, play live TV, place video calls and browse the internet. These additional multimedia features and functions greatly enhance the functionality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

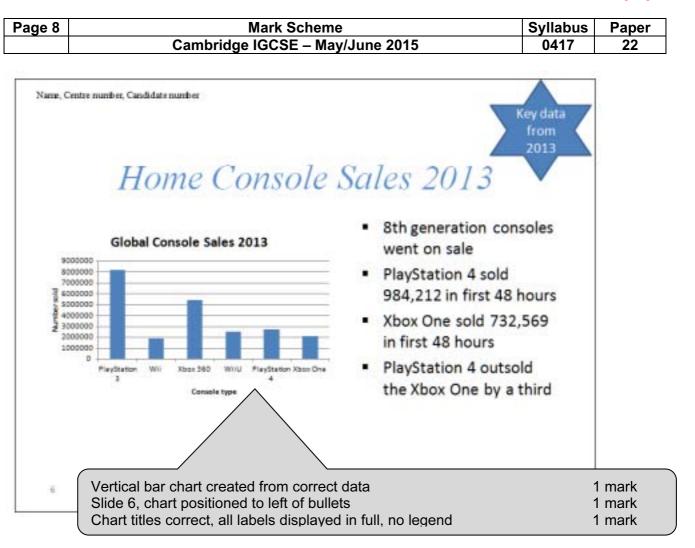
Paragraph moved to correct position 1 mark

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

	Page 5	Mark Scheme		S	/llabus l	Paper		• •
		Cambridge IGCSE – May/June 20	15		0417	22		
						<u> </u>		
		Landscape, fully visible, 1 page wide			1 mark			
Title		North_America and Global displaye			1 mark			
Uata	entry 100% accurate 1 mark	Candidate name, Centre number an	d canc	didate number				
PlayStatio	n sporting game sales	top right of report, no page number			1 mark	Name C	entre number, Can	didate number
Chart_position	Game	Publisher	Platfo	orm Genre	North_A			Market_share
27	Gran Turismo 3: A-Spec	Sony Computer Entertainment	PS2	Racing	North_P	6.85	14.98	46%
42	Gran Turismo 4	Sony Computer Entertainment	PS2	Racing		3.01	11.66	1 26%
47	Gran Turismo	Sony Computer Entertainment	PS	Racing		4.02	10.95	37%
49	Gran Turismo 5	Sony Computer Entertainment	PS3	Racing		2.74	10,7	26%
60	Gran Turismo 2	Sony Computer Entertainment	PS	Racing				41%
86	Need for Speed Underground	Electronic Arts	PS2	Racing	Calc	ulated fie	ld	45%
97	Need for Speed Underground 2	Electronic Arts	PS2	Racing			accurate 1 mar	k 39%
109	EIEA Soccor 12		PS3	Sports	Calc	ulated field	d 1 mar	k 12%
156	Madden NFL 2004 Search		> PS2	Sports	Form	atted % a	ind	81%
174	LODV HOWK'S Dro Skator	PS, PS2, PS3 1 mark	PS	Sports	to 0 d	decimal pl	aces 1 mar	
180	FIFA Soccer 11 Genre = S	ports or Racing 1 mark	PS3	Sports		0.58	4.98	12%
184	Madden NFL 06 Chart_pos	sition is <=300 1 mark	PS2	Sports		3.98	4.91	81%
<mark>191</mark>	Crash Team Racing	Sony Computer Entertainment	PS	Racing		2.57	4.79	54%
194	The Simp Sec. Hit & Run	Vivendi Games	PS2	Racing		1.73	4.70	37%
196	Changed from 566 to 191 1 n	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	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 Soccer 2007	Konami Digital Entertainment	PS2	Sports		0.10	4.39	2%
219	Need for Speed: Most Wanted	Electronic Arts	PS2	Racing		2.03	4.37	46%
<mark>222</mark>	FIFA Soccer 14	Electronic Arts	PS3	Sports		0.46	<mark>4.31</mark>	11%
228	FIFA Soccer 06	El stronic Arts	PS2	Sports		0.78	4.21	19%
237	Madden NFL 2003			S		3.36	4.14	81%
238	Gran Turismo 5 Prologue	2 records added		2 marks g		1.25	4.14	30%
242	FIFA 07 Soccer	Sorted by Chart_position ascending]	1 mark s		0.71	4.11	17%
250	World Soccer Winning Eleven 9	Specified fields, in correct order		1 mark		0.12	4.06	3%
261	Tony Hawk's Underground	Activision	P52	sports		2.29	3.90	59%
266	World Soccer Winning Eleven 8 International		PS2	Sports		0.16	3.85	4%
<mark>273</mark>	MotorStorm	Sony Computer Entertainment	PS3	Racing		1.50	3.79	40%
283	FIFA Soccer 2005	Electronic Arts	PS2	Sports		0.58	3.70	16%
288	Tony Hawk's Pro Skater 4	Activision	PS2	Sports		2.13	3.67	58%
295	Pro Evolution Soccer 2008	Konami Digital Entertainment	PS2	Sports		0.05	3.63	1%
300	The Simpsons: Road Rage	Electronic Arts	PS2	Racing		2.02	3.61	56%

Page 6		Mark Scheme				Paper	
	Cambridge	IGCSE – May/J	une 2015	0	0417	22	
	try 100% accurate 1 mark st selling Mario t	itles	Search Game is Publishe Global is	r is Nintendo		1 ma 1 ma 1 ma	rk
Game		Release_year	Platform	Publisher		Globa	al
New Super I	Mario Bros	2006	DS	Nintendo		29.2	
Mario Kart [2005	DS	Nintendo		22.7	
Super Mario		2004	DS	Nintendo		10.0	
Super Mario		1989	GB	Nintendo		18.1	
•	Land 2: 6 Golden Coins	1992	GB	Nintendo		11.1	
Super Mario		1996	N64	Nintendo		11.8	
Super Mario		1985	NES	Nintendo		40.2	
Super Mario		1988	NES	Nintendo		17.2	
Super Mario		1990	SNES	Nintendo		20.6	
Super Mario		1993	SNES	Nintendo		10.5	5
Mario Kart V	Nii	2008	Wii	Nintendo		34.1	2
New Super I	Mario Bros. Wii	2009	Wii	Nintendo		27.0	6
Super Mario	Galaxy	2007		Nintendo		10.9	7
Name, Cent	re number, candidate number			Total sale	s (millions)	26	4
	1 page wide, candidate nar at bottom of report	ne, Centre numt	Calculated	1 mark		1 marl	k
Step 41 Ma	aster slide screenshot			ition and 0 decimal place is 100% accurat		1 marl 1 marl	
Name, Cent	re number, Candidate number		Key d fro 201	m 🧹			
	Click to edit Ma	aster title					
	ick to edit Master text styles - Second level • Third level – Fourth level » Fifth level						
-			11/09/	200.4			





Print

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

Page 9	Mark Scheme	Syllabus	Paper
	Cambridge IGCSE – May/June 2015	0417	22

EVIDENCE DOCUMENT

Step 5 Margin screenshot evidence Step 4 Paper size screenshot evidence 2 × 2 Page Setup х Page Setup Margins Paper Layout Margins Paper Layout Margins Paper size: 2 cm Bottom: ÷ 4 2 cm Tob: ٠ A4 Left ÷ 1.5 cm * 1.5 cm **Bight**: Width: 29.7 cm ÷ -Gutter: 0 cm 4 Gutter position: Left ÷ Height: 21 cm 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

🥵 New Contact		•••• Actions 🗸	🖍 Edit Details	As
All Contacts (2) Deleted Contacts	Sharif Thabo s.thabo@cie.org.uk	\frown	Sharif Thabo	
	Address Bool Contact entry		s.thabo@cie.org.uk	1 mark

Page 10	Mark Scheme	Syllabus	Paper
	Cambridge IGCSE – May/June 2015	0417	22

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

To design.h@cie.org.uk		
CC Sharif Thabo	To: design.h@cie.org.uk cc: s.thabo@cie.org.uk	1 mark 1 mark
Game Console Report	Subject: <i>Game Console Report</i> Only document attached, appropriate file	1 mark
Name	extension (not original or rtf)	1 mark 1 mark
Centre Number Candidate Number	Message text correct	
The amended report is attached for your approval.		
Games Report.odt Remov	e Download V	
Send @ ∽ Tt B I A ⊞	≡ ∗≣ ≣ % © ∞, × ≪	