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.



Page 2 **Mark Scheme Syllabus Paper** Cambridge IGCSE - May/June 2015 0417

<examination date>

Date left aligned, Centre and Candidate numbers right aligned

Centre number. Candidate number

GAME CONSOLES 2013

Title

Data entry 100% accurate, centre aligned 1 mark 28pt, sans-serif, bold 1 mark

Subtitle

Data entry 100% accurate, right aligned 1 mark 16pt sans-serif, italic (no other emphasis) 1 mark

cneeds and amazing interaction

raft report by: Candidate Name

Video Game Consoles

Video game consoles are a popular form of

home entertainment. They connect to a TV

screen which displays the graphics and plays the

sounds of the game. A game controller is used

to provide input and allows the player to interact

with the video game, typically to control an

object or character. Modern systems use

sophisticated controllers with a variety of

History

3 columns, 1cm column spacing from History Video game consoles have captivated t of game enthusiasts since their introduction in

the 1970s. The first home video game console which could be connected to a television set released in 1972. he golden age of gaming arrived in the 80s when the pd arcade hit Space

1 mark

was released

w really

Body text

12pt, serif font Single line spacing, fully justified 1 mark 1 mark

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with other media and increased connectivity.

The home entertainment systems of today are

cutting edge machines that have super

2 spellings corrected

Gaming technology has come a long way since those early days continues and to develop at a relentless pace. There are now

video games for all demographics and audiences, including VOUDa childre

Image

el

Correct image replaces text Image cropped to remove stars

Text wrapped, right and top aligned

Resized 4cm wide, aspect ratio maintained

games with their own children. From action

Handheld Consoles

me consoles are portable Handheld electropi ith a built-in screen, game

Subheadings

Sans-serif, 14pt, centre, italic, underline 1 mark virtuarry arrywnere. wrtin advancements in technology, handheld game consoles are no longer limited to simply playing games. They have the ability to take photos and videos stantly share with friends online, make calls, play music and watch movies on 1 mark The growth in popularity of tablets and 1 mark 1 mark phones mean more people are playing 1 mark le games than ever before.

Footer

Auto filename and path left aligned and Auto page numbers right aligned

1 mark

Bullets

buttons and special features.

The core Numbers changed to bullets 1 mark systems hav Bullets aligned left margin 1 mark

- User control interface
- **CPU**
- **RAM**
- Software kernel
- Storage medium for games
- Video output
- Audio output
- Power supply

Video Games

There is a huge variety of games available. The majority of video games are designed to

<filename and path>

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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

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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				
T	Teen	13 and over				
. M	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 multi-

Centre 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 recent years and retail sales are down

1 mark
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1 mark
2 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 high-powered, dedicated device in front of a large television screen. Time will tell whether the traditional games console can survive.

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. Centre number. Candidate number

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 Paragraph moved to correct position 1 mark

Page layout

Consistent spacing with 12pt line space after each
paragraph, subheading, list and table

No widows or orphans, no split lists or tables, no blank pages

Document complete/paragraphs intact

1 mark
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PlayStation	snorting	game sa	les (top right of repor	t, no page number	r		1 mark	Name	Centre numbe	r Candidate	numbor
-		garrie 30		D 11:1		DI IC			•		-	
Chart_position	Game			Publisher		Platfo			h_America	Global	Marke	et_share
27	Gran Turismo 3	•		· · ·	er Entertainment	PS2	Racing		6.85	14.98	1	46%
42	Gran Turismo 4	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		alculated fi	ield		41%
86	Need for Speed	-	2	Electronic Art		PS2	Racing	11.		% accurate 1	l mark	45%
97	Need for Speed	•		Electronic Art	S	PS2	Racing		alculated fie		mark	39%
109	FIFA Soccer 12		Search			PS3	Sports		rmatted %		IIIaik	12%
156	Madden NFL 20		Platform =	PS, PS2, PS3	1 mark	> PS2	Sports		0 decimal i		mork	81%
174	Tony Hawk's Pr			ports or Racing	1 mark	PS	Sports	(10			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 Rac	-			er Entertainment	PS	Racing		2.57	4.79		54%
194	The once	Hit & Run		Vivendi Game	es es	PS2	Racing		1.73	4.70		37%
196	Tony Chanc	ged from 566	to 191 1 m	ark		PS	Sports		3.05	4.68		65%
207	iviadd			lectronic Art		PS2	Sports		4.18	4.53		92%
210	Madden NFL 07			Electronic Art	S	PS2	Sports		3.63	4.49		81%
216	Tony Hawk's Pr			Activision		PS2	Sports		2.66	4.41		60%
217	_	n: Pro Evolution		_	al Entertainment	PS2	Sports		0.10	4.39		2%
219	Need for Speed			Electronic Art		PS2	Racing		2.03	4.37		46%
<mark>222</mark>	FIFA Soccer 14		_	Electronic Art		PS3	Sports		0.46	4.31		11%
228	FIFA Soccer 06			-tronic Art	S	PS2	Sports		0.78	4.21		19%
237	Madden NFL 20						S		3.36	4.14		81%
238	Gran Turismo 5	-		2 records added			2 marks		1.25	4.14		30%
242	FIFA 07 Soccer				<i>_position</i> ascendin	ıg	1 mark s		0.71	4.11		17%
250	World Soccer V	Winning Eleven 9	9 (Specified fields,	in correct order		1 mark s		0.12	4.06		3%
261	Tony Hawk's Ur	nderground		Activision		P32	Sports		2.29	3.90		59%
266	World Soccer V	Winning Eleven	8 International	Konami Digita	al Entertainment	PS2	Sports		0.16	3.85		4%
<mark>273</mark>	MotorStorm			Sony Comput	er Entertainment	PS3	Racing		1.50	3.79		40%
283	FIFA Soccer 200			Electronic Art	S	PS2	Sports		0.58	3.70		16%
288	Tony Hawk's Pr	ro Skater 4		Activision		PS2	Sports		2.13	3.67		58%
295	Pro Evolution S	Soccer 2008		Konami Digita	al Entertainment	PS2	Sports		0.05	3.63		1%
300	The Simpsons:	Road Rage		Electronic Art	S	PS2	Racing		2.02	3.61		56%

Mark Scheme

Syllabus

Paper

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Page 6	Mark Sch	neme	Syllabus	Paper
	Cambridge IGCSE – May/June 2015			
Title		Search		
Data entry 1	00% accurate 1 mark	Game is *Mario*		1 1

Publisher is Nintendo

Global is >=10

1 mark

1 mark

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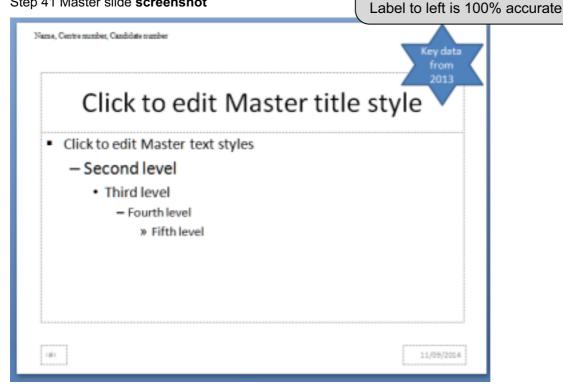
Highest selling Mario titles

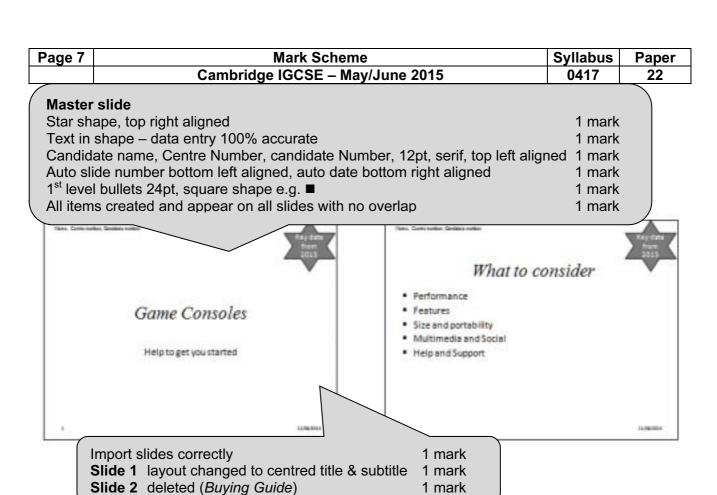
<u> </u>					_
Game	Release_year	Platform	Publisher	Global	
New Super Mario Bros.	2006	DS	Nintendo	29.28	
Mario Kart DS	2005	DS	Nintendo	22.73	
Super Mario 64	2004	DS	Nintendo	10.00	
Super Mario Land	1989	GB	Nintendo	18.14	
Super Mario Land 2: 6 Golden Coins	1992	GB	Nintendo	11.18	
Super Mario 64	1996	N64	Nintendo	11.89	
Super Mario Bros.	1985	NES	Nintendo	40.24	
Super Mario Bros. 3	1988	NES	Nintendo	17.28	
Super Mario World	1990	SNES	Nintendo	20.61	
Super Mario All-Stars	1993	SNES	Nintendo	10.55	
Mario Kart Wii	2008	Wii	Nintendo	34.12	
New Super Mario Bros. Wii	2009	Wii	Nintendo	27.06	
Super Mario Galaxy	2007	, ii	Nintendo	10.97	
Name, Centre number, candidate number			Total sales (millions)	264	

Sort by Platform ascending then Global descending 1 mark Specified fields any order 1 mark Portrait, 1 page wide, candidate name, Centre number and candidate number at bottom of report 1 mark

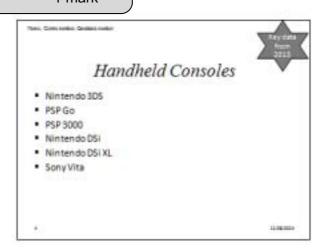
> Calculated total of Global 1 mark Correct position and formatted to 0 decimal places 1 mark

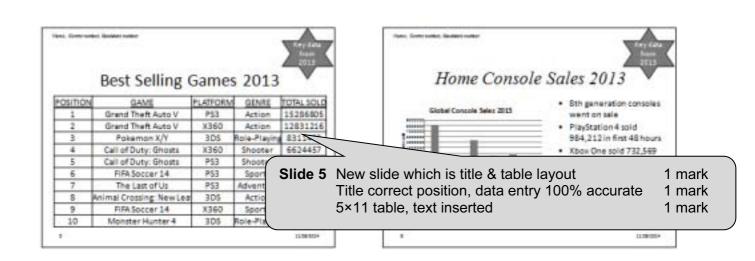
Step 41 Master slide screenshot



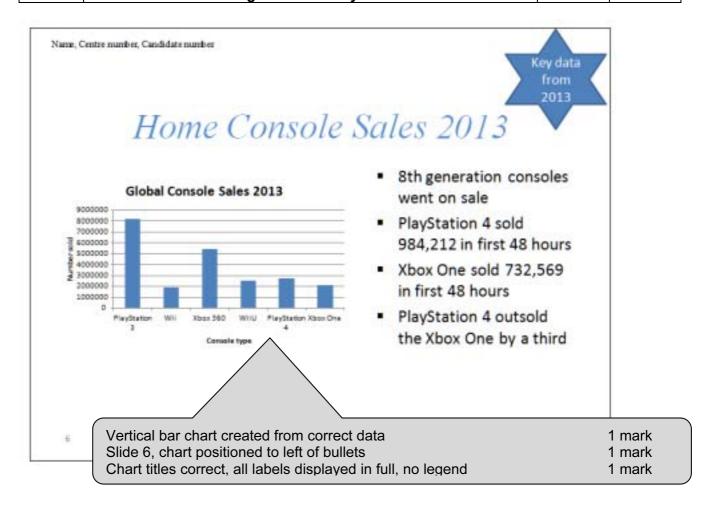








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Print

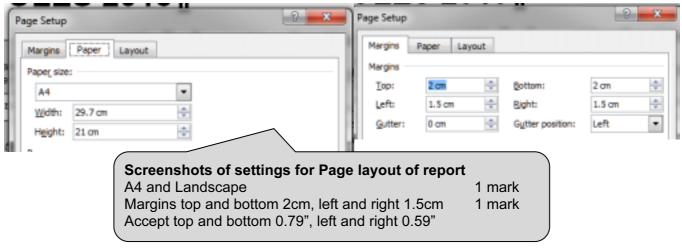
Slides printed as hand outs six to a page and single slide print out of Home Console Sales 2013 slide 1 mark

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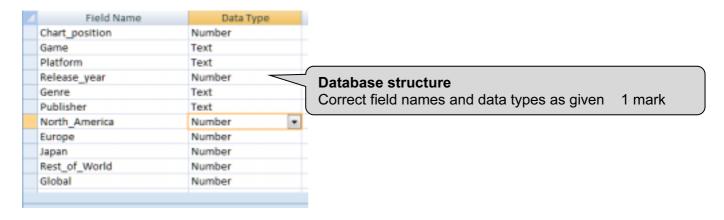
EVIDENCE DOCUMENT

Step 4 Paper size screenshot evidence

Step 5 Margin screenshot evidence



Step 31 Database field structure screenshot



Step 51 contact/address book screenshot evidence



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

