0417/21

February/March 2022



Cambridge IGCSE™

INFORMATION AND COMMUNICATION TECHNOLOGY

Paper 2 Document Production, Data Manipulation and Presentations MARK SCHEME

Maximum Mark: 80

Published

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 International will not enter into discussions about these mark schemes.

Cambridge International is publishing the mark schemes for the February/March 2022 series for most Cambridge IGCSE[™], Cambridge International A and AS Level components and some Cambridge O Level components.

Generic Marking Principles

These general marking principles must be applied by all examiners when marking candidate answers. They should be applied alongside the specific content of the mark scheme or generic level descriptors for a question. Each question paper and mark scheme will also comply with these marking principles.

GENERIC MARKING PRINCIPLE 1:

Marks must be awarded in line with:

- the specific content of the mark scheme or the generic level descriptors for the question
- the specific skills defined in the mark scheme or in the generic level descriptors for the question
- the standard of response required by a candidate as exemplified by the standardisation scripts.

GENERIC MARKING PRINCIPLE 2:

Marks awarded are always whole marks (not half marks, or other fractions).

GENERIC MARKING PRINCIPLE 3:

Marks must be awarded **positively**:

- marks are awarded for correct/valid answers, as defined in the mark scheme. However, credit is given for valid answers which go beyond the scope of the syllabus and mark scheme, referring to your Team Leader as appropriate
- marks are awarded when candidates clearly demonstrate what they know and can do
- marks are not deducted for errors
- marks are not deducted for omissions
- answers should only be judged on the quality of spelling, punctuation and grammar when these features are specifically assessed by the question as indicated by the mark scheme. The meaning, however, should be unambiguous.

GENERIC MARKING PRINCIPLE 4:

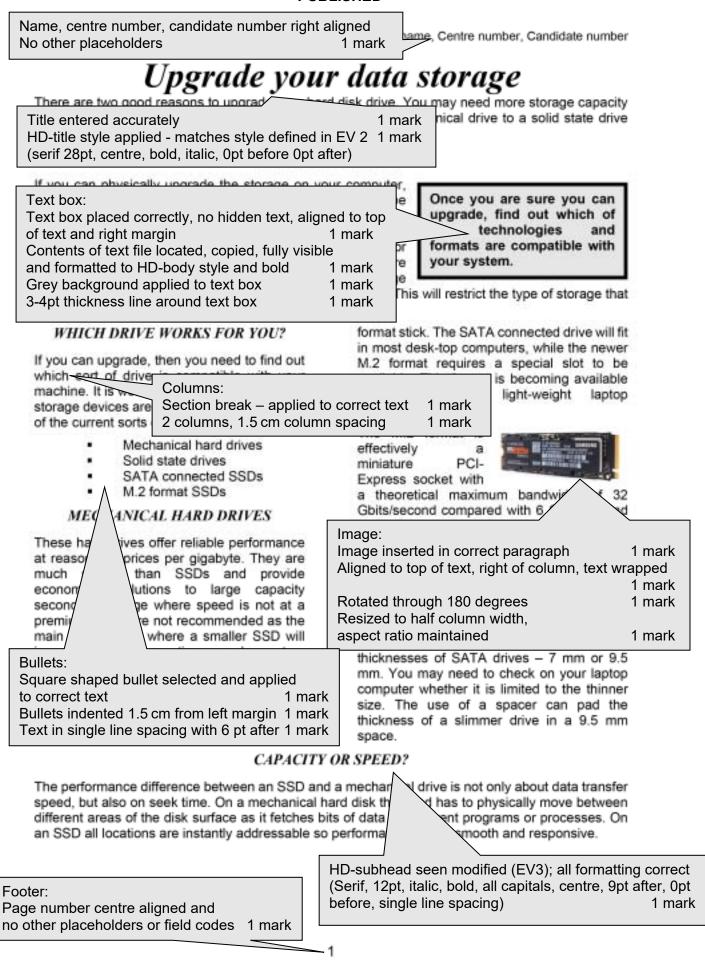
Rules must be applied consistently, e.g. in situations where candidates have not followed instructions or in the application of generic level descriptors.

GENERIC MARKING PRINCIPLE 5:

Marks should be awarded using the full range of marks defined in the mark scheme for the question (however; the use of the full mark range may be limited according to the quality of the candidate responses seen).

GENERIC MARKING PRINCIPLE 6:

Marks awarded are based solely on the requirements as defined in the mark scheme. Marks should not be awarded with grade thresholds or grade descriptors in mind.



1 mark

1 mark

1 mark

Candidate name, Centre number, Candidate number

Type of Storage	Benefits	Disadvantages
Mechanical hard disk drive	Large capacity at relatively low price per GB	Slow, not so good as system drive
Solid state drive (SATA)	Fast with commonly available 2.5 inch slots	Quite expensive especially for large capacity drives
Solid state drive (M.2 format)	Small but very fast	Need specialised slot and expensive
Cloud storage	Unlimited storage	Not under personal control

A large capacity (up to several terabytes) hard Table: economical storage is. Mechanical hard drives 1pt internal and external gridlines printed 1 mark inch size. For a primary drive SSD, a capacity (*Notes* column only deleted with contents 1 mark affordable. Similarly an M.2 format drive may *HD-table* style applied to text secondary storage. Table 15 cm wide and centred on the page, So far we have talked about internal stora no split words also a possibili any of the drive types di 6pt space after the table portability of and can take it from o choose to s

on a server in the cloud and have it accessible from anywhere that you

Page break removed maintaining paragraphs and spacing, DISK after ... secondary storage. 1 mark

There are several options to transferring the contents of the old disk onto the new disk. One method is to make a clean install using a version of the operating system on disk. This method will remove all existing programs you have. These will need to be reinstalled after the new disk is operating. An alternative method which will preserve your existing programs is to use cloning software (often supplied with a new disk drive) and make an exact copy of the current disk. This can be quite straightforward, but if the new disk is a smaller capacity than the one it is replacing may involve you in deciding what to keep and what to leave out. A third route is to make a virtual image of the source disk and copy it onto external media, then boot from a disk containing the imaging software choosing which files to keep.

Good luck if you decide to upgrade your storage.

Presentation: Styles applied consistently with consistent spacing - no changes to body text (Arial 11pt, justified, 0 space before, 6pt after) 1 mark Doc complete/paras intact, portrait, cols and pages aligned at top, no widows/orphans, lists and table not split, no blank pages 1 mark

(

Cambridge IGCSE – Mark Scheme **PUBLISHED**

	Fitle, fully visible and	l accurate 1 i	mark			New field	Retail sa	me currency fo	rmat as Price 1 mark
Drives	for Gamers	or creativ	ve Wor	k		Retail calo			1 mark
Drive_Code	Model_Code	Model	Maker	Country	Suitability	Form_Factor	Read	Capacity _TB	Price Retail
DD66	M280C3030500	XLR8 CS3030	Pliny	Indonesia	Gaming	M.2	3500	0.500	£76.00 £91.20
DD88	TDMX2000NV	Attack Pro	TData	Japan	Enterprise Creative	M.2	4950	2.000	<mark>£450.00</mark> £540.00
DD55	LRD10Z002TG8	Excel Plus	Kyoto	Japan	Gaming	M.2	3400	2007	£400.49£480.59
DD60	CSSDF1000MP600	Forza MP600	Corsir	Japan	Creative Professional	^ℕ Amended	record D	 D88_1 mark	202.99£243.59
DD51	CSSDF2000MP600	Forza MP600	Corsir	Japan	Creative Professional	Mi.z	4990	2.000	£389.99£467.99
DD59	ZP2000GM31011	Firacude 510	Seemore	USA	Gaming	M.2	3450	2.000	£322.99£387.59
DD50	ZP1000GM31011	Firacude 510	Seemore	USA	Gaming	M.2	3450	1.000	£166.44£199.73
DD49	ZP2000GM31002	Firacude 520	Seemore	USA	Creative Professional	M.2	5000	2.000	£357.28£428.74
DD48	ZP500GM31002	Firacude 520	Seemore	USA	Creative Professional	M.2	5000	0.500	£113.06£135.67
DD46	ZP1000GM31002	Firacude 520	Seemore	USA	Creative Professional	M.2	5000	1.000	£206.77£248.12
DD64	PEKKW256G8XT	760p series	Ibstock	USA	Gaming	M.2	3210	0.256	£63.98 £76.78
	Sorted ascending by Country 1 mark Capacity 3dp 1 mark								
Record I	DD65 deleted 1 ma	rk	Suita	ct records bility <i>Gamin</i> I >2200	<i>g</i> or contains <i>Creative</i> 1 1	l mark I mark		Price currence	y sign, 2dp 1 mark

21 September 2020

Specified fields and data, correct order 1 mark Landscape, no truncation, single page wide, no page numbers 1 mark Name, centre number, candidate number

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		FUDLIS					
Large capacity driv	res for home use	Title top of Sorted asc	oort details at bottom of ev all labels, 100% accur ending by <i>Price</i> side by side, portrait, a	ate, larger, bold	1 mark 1 mark 1 mark 1 mark		
Richmond Home	Swordfish 120 USA		Seemore Richmond Home	Swordfish 12 USA	0		
SATA 6Gb/s £57.32	SSD		SATA 6Gb/s £100.70	SSD			
Name, centre number, candidate number			Name, centre numb	oer, candidate n	umber		
Large capacity driv	es for home use	2	Large capacity driv	ves for home u	use		
Richmond SOHO SMB	WP Red SA500 USA		Samsing Seoul SOHO SMB	860 Evo Korea			
SATA 6Gb/s £109.44	SSD		SATA 6Gb/s £109.44	SSD			
Name, centre numbe	er, candidate num	ıber	Name, centre number, candidate number				
Large capacity driv	es for home use	2	Large capacity driv	ves for home u	use		
Crux	MX500		WestPoint	WP Blue			
Kuala Lumpur SOHO SMB	Malaysia		Richmond SOHO SMB	USA			
SATA 6Gb/s £109.98	SSD		SATA 6Gb/s £111.98	SSD			
Name, centre numbe	er, candidate num	lber	Name, centre numb	oer, candidate n	umber		
Large capacity driv	es for home use	!	Large capacity driv	ves for home (use		
Richmond	WP Blue USA		Samsing Seoul	860 Evo serie Korea	es 1		
SOHO SMB PCIe gen3 NVMe £124.99	SSD		SOHO SMB SATA 6Gb/s £129.77	SSD			
Name, centre numbe	er, de num	hor I	er and <i>Model</i> on same		1 mark		
Labels selection Suitability contains Hor		Con	and <i>Country</i> on same nection and Format on ect label layout with mi	same line	1 mark 1 mark en		
Format is SSD Price <130 and Capaci	1 mar	rk fields	-		1 mark		

The Wharfage Tawara Bay Main Island

02 February 2022

Delivery Note

Deliver to:

«Title» «First_Name» «Last_Name» «Address_1» «Town» «Post_Code»

Our Product Code	Model	Make	Connection	Form Factor	Capacity	Price
«Drive_Code»	«Model»	«Make»	«Connection»	«Form_Factor»	«Capacity» Terabytes	£«Price»
				<u> </u>		
Order prepared by: Ca	ndidate Name	Mailmerge r Candidate de Address bloc	etails in footer of ma	aster document and	Name replaces <i>Candidate Na</i>	a <i>me</i> 1 mark
			ns <> replaced by c		J	1 mark
		Product table		al spacing maintained	1	1 mark
			-	nerge fields with corre	ect spacing for <i>Capacity</i> and	Price 1 mark
Name ZZ999 9999		Master docu	ment printed	-		1 mark

The Wharfage Tawara Bay Main Island

02 February 2022

Mailmerge delivery notes Correct 4 delivery notes printed 1 mark

Delivery Note

Deliver to:

Ms Katherine Griffin 96 Scrimshire Lane Alfreton NN7 300

Our Product Code	Model	Make	Connection	Form Factor	Capacity	Price
DD11	Nitra 3731	Seemore	SAS 12Gb/s	2.5 inch	3.2 Terabytes	£1993.55

The Wharfage Tawara Bay Main Island

02 February 2022

Delivery Note

Deliver to:

Mr Jake Abbott 39 Vicar Lane Edingley NN15 6QL

Our Product Code	t Model Make		Connection	Form Factor	Capacity	Price	
DD59	Firacude 510	Seemore	PCle gen3 NVMe	M.2	2 Terabytes	£322.99	

The Wharfage Tawara Bay Main Island

02 February 2022

Delivery Note

Deliver to:

Mrs Ella McKenzie 63 Thames Street Sutton-in-Asfield NN7 4TW

Our Product Code	Model	Make	Connection	Form Factor	Capacity	Price
DD14	Nitra 3331	Seemore	SAS 12Gb/s	2.5 inch	1.92 Terabytes	£494.75

The Wharfage Tawara Bay Main Island

02 February 2022

Delivery Note

Deliver to:

Mr Charlie Simmons 59 Warren St Rufford NN11 0AU

Our Product Code	Model	Make	Make Connection		Capacity	Price	
DD51	Forza MP600	Corsir	PCle gen4 NVMe	M.2	2 Terabytes	£389.99	



M.2 drives have solid state memory chips on a small 'stick'

Chart	
Vertical bar chart (correct data)	
with correct category labels present	1 mark
Chart title 100% accurate	1 mark
Axis titles 100% accurate	1 mark
Values displayed for all bars	1 mark
Display a legend showing the years 2020 and 202	21 1 mark
In correct place on correct slide	1 mark
Sales analysis slide printed with presenter notes	1 mark
Presenter notes as given	1 mark

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09/07/2021 Consider your storage needs · What is most important for you? + is it: Upgrade options for storage * capacity? * the format? Overview presented by: Candidate name * the connection? · 24/7 reliability? * speed of reading/writing? Slides imported in title and bullet layout, no text changed 1 mark Slide 1 a title layout with candidate name 1 mark Slide no's top right and candidate details same position on every slide with no overlap on any slide 1 mark All 5 bullet points demoted 1 mark Slide Suitable applications for HDDs deleted 1 mark All slides, 4 slides to page, landscape 1 mark Hard Disk Drives Solid State Technology + Commonly called SSD · These are mechanical with moving parts Available with very large capacities · Has no moving parts . Fit 3.5 and 2.5 inch bays · Can have extremely fast read/write speeds Tried and tested technology + Reliable for 24/7 working · Read/write access relatively slow

09/07/2021

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Step 1 – EVIDENCE 1 here:

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Step 13 – EVIDENCE 4 here:

	Field Name	Data Typ	pe	
5	Drive_Code	Short Text		
	Model_Code	Short Text		
	Model	Short Text		
	Maker_Code	Short Text	Field names as given, correct data types,	
	Suitability	Short Text		1
	Connection	Short Text	<i>Drive_Code</i> field as primary key, no ID field	1 mark
	Form_Factor	Short Text		
	Format	Short Text		
	Capacity_TB	Number		
	Read	Number		
	Write	Number		
	Price	Currency		
	Stock	Number		

Table1 = 🛄 1	AU221DRIVES 🔹 🎹	M2221MAKERS
Field Na	me	Data Type
Maker_Code	Short Te	Field names as given, correct data types, no ID field 1 mark
Maker	Short Te	Text Maker Code as a primary key 1 mark
City	Short Te	
Country	Short Te	fext

Step 14 – EVIDENCE 5 here:

M2221DRIVES		THEORY	Ealth Relationships	E		1. 18
Drive_Code Madel_Code		M2221MAKER5	Table/Query: HQ221HMAERS	Related Table/Query: M2221040/05	-	OK
Madel		City	Maker Code	Maker Code	-	Carcal
Maker_Code Subsidiety		Country	0.00070.0000			Join Type.
Convertion Form, Factor Format			Estore Referentia Integrity Oreste New Cancade Update Related Parks Cancade Update Related Records			Create New ,
Capacity_78 Read						
Mitta Price Stock			Relationship Type:	One-To-Many		
Bioch.	-					

Step 20 – EVIDENCE 6 here:



Query Options Eilter Records Sort Records Field: Comparison: Compare to: Equal to Ready Yes ¥ Delivered Equal to ~ No And 4 5 And ~ Automated selection 1 mark