UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

International General Certificate of Secondary Education

MARK SCHEME for the May/June 2010 question paper for the guidance of teachers

0417 INFORMATION AND COMMUNICATION TECHNOLOGY

0417/02 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 must be read in conjunction with the question papers and the report on the examination.

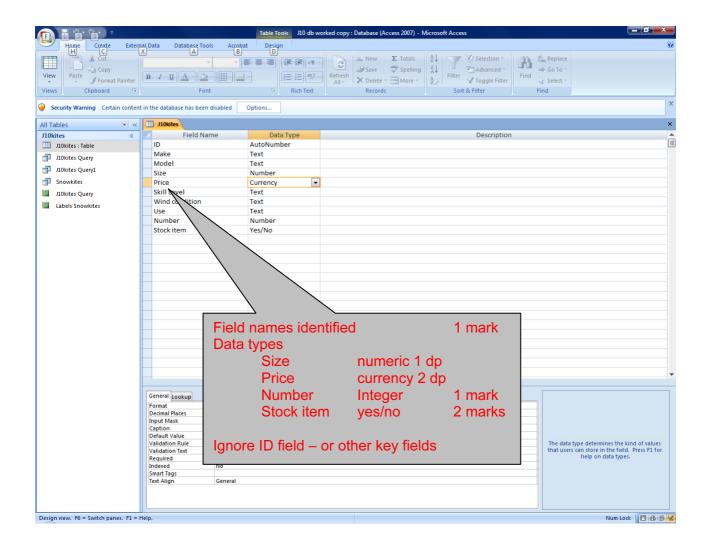
• CIE will not enter into discussions or correspondence in connection with these mark schemes.

CIE is publishing the mark schemes for the May/June 2010 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.



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Contact list
Address correctly added with name 2 marks



Page 3	Mark Scheme: Teachers' version	Syllabus	Paper
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Kites for Beginners

Heading 100% correct 1 mark
Search on Skill level is Beginner 1 mark
Sort on Make ascending 1 mark
Value Calculated field Number x Price 2 marks
Format Value field currency 2 dp 1 mark

Make	Model	Size	Price Skill level	Wind condition	Use	Number	Stock item	Value
Airush	Flow	10.0	€818.95 Beginner	Medium	Kite Surf	2	Yes €	€1,637.90
Airush	Flow	5.0	€698.95 Beginner	High	Kite Surf	2	Yes €	€1,397.90
Airush	Flow	15.0	€898.95 Beginner	Low	Kite Surf	2	Yes (€1,797.90
Flexifoil	Rage	3.5	€230.00 Beginner	Medium	Buggy / Land Board	3	Yes	€690.00
Flexifoil	Rage	1.8	€150.00 Beginner	High	Buggy / Land Board	2	Yes	€300.00
Flexifoil	Rage	6.0	€330.00 Beginner	Low	Buggy / Land Board	3	Yes	€990.00
Flexifoil	Rage	4.7	€280.00 Beginner	Medium	Buggy / Land Board	2	Yes	€560.00
Flexifoil	Rage	2.5	€180.00 Beginner	High	Buggy / Land Board	2	Yes	€360.00
Ozone	Cult	3.5	€229.95 Beginner	Medium	Land Board	2	Yes	€459.90
Ozone	Cult	2.0	€178.95 Beginner	High	Buggy / Land Board	2	Yes	€357.90
Ozone	Cult	6.5	€309.95 Beginner	Low	Buggy	3	Yes	€929.85
Ozone	Cult		1 95 Beginner	High	Buggy / Land Board	2	Yes	€409.90
Data and	labels	All fields fully visible	1 mark	Medium	Buggy / Land Board	2	Yes	€529.90
Orientatio		Landscape	1 mark	High	Kite Surf	2	Yes	€962.00
One page Data entry		3 records 100% accurate	1 mark 3 marks	Medium	Kite Surf	0	No	€0.00
Data ontry			o manto	Low	Kite Surf	0	No	€0.00
Peter Lynn	Hornet	4.0	€157.95 Beginner	Medium	Buggy / Land Board	2	Yes	€315.90
Peter Lynn	Hornet	3.0	€142.95 Beginner	High	Buggy / Land Board	2	Yes	€285.90
Peter Lynn	Hornet	2.0	€114.95 Beginner	High	Buggy / Land Board	2	Yes	€229.90
Peter Lynn	Hornet	Footo	Nome on left	1 mork	Buggy / Land Board	2	Yes	€449.90
Name, candid	date numb	er, Centre number	Name on left	1 mark	Current Value	of Stock	€	12,664.75

Sum Total of Value 1 mark Format sum currency 2 dp 1 mark Label Current Value of Stock 1 mark

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Page 4	Mark Scheme: Teachers' version	Syllabus	Paper
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Special offer on this kite Special offer on this kite

 Make: Ozone
 Make: Ozone

 Model: Access XC
 Model: Access XC

 Size: 4
 Size: 6

 Size: 4
 Size: 6

 Price: 412.95
 Price: 455.95

Wind condition: High

Name, candidate number, centre number

Name, candidate number

Name, candidate number, centre number

Name, candidate number, centre number

Labels 2 side by side (selection produces 8 labels only) 1 mark
Heading 100% correct 1 mark
Search Use contains Snowkite 1 mark
and Stock item is Yes 1 mark

Special offer on this kite Special offer on this kite

Make: Ozone
Model: Access XC
Size: 8
Price: 498.95
Wind condition: Medium

Make: Ozone
Model: Access XC
Size: 10
Price: 520.95
Wind condition: Low

Name, candidate number, centre number

Name, candidate number, centre number

Sort Ascending Price 1 mark Only specified fields, each on new line and fully visible 2 marks Field names printed, each on a new line and fully visible 1 mark Name and numbers at bottom of label 1 mark

Special offer on this kite Special offer on this kite

Make: OzoneMake: OzoneModel: Frenzy FXModel: Frenzy FXSize: 7Size: 11Price: 635.95Price: 718.95Wind condition: HighWind condition: Medium

Name, candidate number, centre number

Name, candidate number, centre number

Special offer on this kite Special offer on this kite

Make: Ozone Make: Ozone
Model: Manta II Model: Frenzy FX
Size: 10 Size: 13
Price: 749.95 Price: 754.95
Wind condition: Medium Wind condition: Low

Name, candidate number, centre number

Name, candidate number, centre number

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candidate number and Centre number

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Heading

Spelling correct, 26 point Serif font, underlined, centre aligned 2 marks

Rower Kite Sports

Draft Report by: name

by e pool and have seen huge kites the and decide you would like the and the transfer on the beach when you but the to be a sport in a new These transfer of spending your holiday lying but the pool and have seen huge kites Subheading Spelling corrections to be a sport in a new These transfer of spending your holiday lying but the pool and have seen huge kites Subheading Spelling corrections to the pool and have seen huge kites Subheading Spelling corrections to the pool and have seen huge kites Subheading Spelling corrections to the pool and have seen huge kites Subheading Spelling corrections to the pool and have seen huge kites Subheading Spelling corrections to the pool and have seen huge kites Subheading Spelling corrections to the pool and have seen huge kites Subheading Spelling corrections to the pool and have seen huge kites Subheading Spelling corrections to the pool and have seen huge kites Subheading Spelling corrections to the pool and the p

Spelling correct, 14 point Serif font, Italic, right aligned 2 marks

A four line

Page layout

Section break here 1 mark

to the air Vou decide to have

kites.

maka

Over the last centuries kites held a fascination for

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thought impossible, which seems strange now in our age of jet transport, but the development of the aerofoil shape of the kite wing led directly to an understanding of powered flight. Kites were used for scientific experiments, for rescue and had a role in war.

Body text

2 columns with 1 cm spacing 1 mark
10 point Sans serif font, single line spacing, fully
justified 2 marks
Applied to all paragraphs with consistent one line
spacing between 1 mark

first to be developed with the assistance of wind tunnel testing, and is an indication of how far kites have come since they were simply a child's toy. Today there is an experimental ship which uses a kite to supplement its power and to save fuel.

Tractio growing Page size A4 1 mark kiting a snow k sports

Document layout Page size A4 1 mark 1 mark 1 mark 2 cm 1 mark 2 cm

Before you use a kite to ride, you need to learn to fly it. A two line kite is easy to learn to fly. One line is attached to each wrist and you pull the left one to make the kite go left. Pull the right strap and the kite goes to the right. Landing these types of kites requires sending the kite to the edge of the window, making sure it is low in the window, and letting it land on the ground. The "window" is the cone shaped area down wind in front of you. At the top of the window the kite flies high and to the sides it will fly lower.

connected to a handle or bar, and, by pulling on the power lines, the kite will take off and rise. Pulling the brake lines causes the

kite land. Image placed here Align to top of text and align to right margin

of an 1 mark
fly yo with text wrapped 1 mark
of the Resized to 5 cm high x 3.3 cm wide

needed

ding.

two

lines

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are

Resized to 5 cm high x 3.3 cm wide
1 mark

Here always follow:

- Do not attempt to learn power kiting without training
- Insure yourself with third party insurance
- Always wear safety protection (helmet and pads)
- Never fly near power lines, roads, airports, or trees
- Never fly in stormy weather
- Never touch the lines of a kite when under tension
- Never fly upwind of a group of people
- Never over estimate your own ability
- Use kite killers
- Never fly attached to a fixed point!

If you wall these rules, you will also maximise your character to have a great time flying your kites!

Bullets applied to correct text 1 mark

Footer Date left 1 mark Page no. right 1 mark

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candidate number and Centre number

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Although you will probably start wir you may soon want a larger or mor Here are some small kites suitable

Header Candidate no. and Centre no. left 1 mark are are Automatic file name right 1 mark These

some of which will still be suitable as you progress to intermediate skills:

J10kites Query1			
Model	Use		
Rage	1.8	Buggy / Land Board	
Cult	2.0	Buggy / Land Board	
Hornet	2.0	Buggy / Land Board	
Reactor	2.2	Buggy	
Blurr	2.5	Buggy	
Cult	2.5	Buggy / Land Board	
Rage	2.5	Buggy / Land Board	
Reactor	2.9	Buggy	
Hornet	3.0	Buggy / Land Board	

include land boarding, snow kiting, buggy racing and paragliding. These sports generally match a similar sport so that a land board is similar to a skate board and for snow kiting you use a board similar to a snow board.

A kite buggy is a light, purpose-built vehicle powered by a traction kite (power kite). It is similar to a land yacht, but the driver steers the single front wheel with his feet, while he controls the kite, usually attached on a harness, with his arms. The speed achieved in kite buggies by skilled drivers can range up to around 110 km/h (70 mph), hence protective clothing, including a safety helmet, is commonly worn. The kite buggy was probably invented in China around the 13th century. It was introduced by Course Tocock in the UK in 1827 en available commercially

in the USA and UK since the late 1970s.

For kite surfing you need a specific board as well as a suitable kite. These are general and need to be influenced to be influenced.

DB extract

area, and need to be infl water. You will probably no type of kite. Once you can exhilarating speeds over the to jump and perform aerial a

Talk to any kite surfer and that you get professional le to the seas. Not only will the and that of others too, but it will give you the

and that of others too, but it will give you the chance to try kite surfing without spending lots of money on kit you may not use. We help you to organise your holiday and suitable courses.

Here are some courses you might want to take:

Warm air thormal aurrente are	Tread to b	araglide.
Placed here	1 mark	spheric
Size < = 3	1 mark	h the air
Skill level Not Experienced	1 mark	birds of
Use Not Kite Surf	1 mark	eir lead.
3 specified fields		ry, with
All text correct and visible within margins	1 mark	villages
Sorted ascending on size	1 mark	the air.
-		just for

become serious. You might take up kite surfing at resorts in Egypt, or book a snow kiting holiday to Norway. You might kite with your buggy in the sand dunes of Dubai, or paraglide from the mountains in the USA.

<u>Learn to use your kite safely</u>				
<u>Course</u>	<u>Level</u>	<u>Duration</u>		
Fly your first kite	Beginner	1 hour		
Basic kite flying skills	Beginner	3 hours		
Basic kite surfing techniques	Beginner	3 half days		
Further kite surfing skills	Intermediate to Advanced	3 days		

Table	In correct place	1 mark
	3 columns and 6 rows	1 mark
	Data entry	
	100% accurate with text wrap a	and align to
	top of cell	2 marks
	Text style matches body text	1 mark
	Top 2 rows centre, underlined	2 marks
	Top row cells merged	1 mark
	Top 2 rows only shaded	1 mark
	Outside lines only 3 pt thick	1 mark
No pen	alty if inner lines not shown	

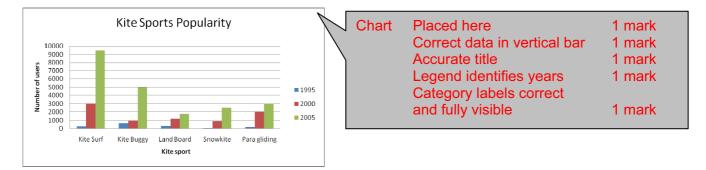
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candidate number and Centre number

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The following chart indicates the growing popularity of kite sports:



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No split lists over columns/pages
No split tables/charts
Document complete/paragraphs intact

1 mark

New message		
Address:	design.h@cie.org.uk	1 mark
CC	Event Organiser XXXX	
	kites.events@cie.org.uk	1 mark
Subject line	Draft for Kite article	1 mark
	Message text	
	Candidate details and	
	The document you need for approval is attached.	1 mark
Attachment present	Document as saved by candidate	1 mark

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