

**CAMBRIDGE INTERNATIONAL EXAMINATIONS**  
International General Certificate of Secondary Education

**MARK SCHEME for the May/June 2014 series**

**0417 INFORMATION AND COMMUNICATION  
TECHNOLOGY**

**0417/21**

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 2014 series for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level components and some Ordinary Level components.

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Candidate Name

**Header**

Name left aligned, date right aligned 1 mark

Date

# Tawara Adventure Centres

## Produced by: candidate name

**Title**

Data entry 100% accurate, centre aligned 1 mark  
30 pt, serif, italic 1 mark

Welcome to our company. We offer a range of fun sporting activities, from tranquil to exhilarating, in a safe and secure environment. Our staff are experienced and seek to provide **outdoor** activities to suit all ages, abilities and seek to ensure maximum satisfaction and enjoyment in adventurous situations.

**Subtitle**

Data entry 100% accurate, left aligned 1 mark  
18pt serif, bold, underlined 1 mark

### ACTIVITIES

### OUR CENTRES



We offer an unrivalled choice of land, sea and air activities. From water skiing to camel trekking and cliff climbing to wing walking we have something to suit everyone. For those who like their sport to be adrenaline packed we offer a variety of **outdoor** sports to suit all tastes.

Our centres are located within easy reach of beautiful sandy beaches, rugged sea cliffs, inland villages and towns. Each centre has its own special features and facilities.

**Body text**

Section break above ACTIVITIES 1 mark  
2 columns, 1 cm col spacing 1 mark  
11 pt, sans-serif font 1 mark  
Single line space, fully justified 1 mark

- Cornwall
- Ireland
- Jersey
- Scotland
- Wales

**Image**

Skier image in correct location 1 mark  
Fish cropped out 1 mark  
Text wrap, aligned left & top 1 mark  
Resized 5 cm high, aspect ratio maintained 1 mark

**Bullets**

Bullets applied to list 1 mark  
Bullets indented to 2 cm 1 mark

qualification level in the adventure world, we are the people to talk to.

We also run a selection of water based qualification courses throughout the year. These include:

WATER COURSES		
QUALIFICATION	LENGTH	COST
Dinghy Instructor	4 days	£320
VHF Radio	1 days	£99
Windsurfing Instructor	5 days	£375
Day Skipper	4 days	£325
Yachtmaster	6 days	£325
Navigation Award	2 days	£180
Powerboat Safety		

**Table**

Complete, in correct place within column width 1 mark  
LEVEL column deleted 1 mark  
Top row cells merged, heading centred bold and underlined 1 mark  
Font matches body text 1 mark  
Text on one line, gridlines displayed 1 mark

### SAFETY

We take the safety and care of our customers very seriously. The centres are inspected and tested annually and we stringently follow all of the National Governing Body guidelines with regards to best practises, staff ratios, current equipment, risk assessments and insurance. We take care of you, so you can enjoy your experience. All our centres are fully licensed. Centre number, candidate number

**Footer**

Filename & path left, Centre & candidate numbers right 1 mark

Filename & path

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Candidate Name \_\_\_\_\_

Date \_\_\_\_\_

participants are covered for public liability and negligence on the part of the company up to £2 million. Full personal injury insurance is also included in the course fees.

**ACCOMMODATION**

Residential accommodation is provided in comfortable, modern, Swiss style log cabins. These purpose-built cabins can sleep up to 6 people and are fully equipped with lounge, kitchenette, shower and toilet. Each has wide French patio doors and a log veranda to sit and take in the amazing views. There are onsite and outside eating and to enjoy the fantastic views of the wide open space around you.

**EQUIPMENT**

Participants in our activities can be assured that we are using the very best

**Subheadings**

8 Subheads formatted centre, serif, 14 pt, bold, underline 1 mark

Whilst retaining a high safety factor, it is maintained to a very high standard and is regularly tested and approved by our experienced and conscientious support staff. Our policy of regular renewal ensures that the equipment is the latest available.

Why not try something different this year? Whether you are looking for an adventure day or an activity packed holiday, we can fulfil all your requirements. For details on the full range of activities available or to download a brochure visit our website.

**WINTER SNOW SPORTS**

During the winter months you can enjoy a unique and unforgettable experience in the stunning highlands of Scotland. We offer a variety of exciting **outdoor** snow sports which are ideal for those who like their sport to be exhilarating. From snowmobiling to ice climbing we have a winter sport to suit all tastes.

3pt outside border applied to last paragraph 1 mark  
Light grey shading, 1.5 line spacing 1 mark

Replace 3 instances of **external** with **outdoor** 1 mark

Course_Code	Level	Activity
SC024	Extreme	Alpine Snow Skiing
SC013	Extreme	Ice Climbing
SC004	Advanced	Nordic Snow Skiing
SC028	Extreme	Snow Tobogganing
SC026	Advanced	Snowboarding
SC033	Advanced	Snowmobiling

**DB extract**  
Inserted in correct place within column width 1 mark  
*Activity* contains **Snow or Ice** 1 mark  
*Located* = **Scotland**, *Type* = **Thrill** 1 mark  
*Ascending order of Activity* 1 mark  
*Fields Course\_Code, Level, Activity* in order 1 mark

**FACILITIES**

All centres have clean and modern changing and showering facilities available to all. There are dining facilities with eating areas and balconies overlooking the stunning scenery. There is wheelchair access throughout the centre and specialised changing facilities. We have common rooms where you can relax and enjoy optional TV and tea & coffee making facilities. There are also floodlit play areas.

**Page layout**  
A4 Portrait 1 mark  
Top & bottom margins 2.5 cm, left & right 2 cm 1 mark  
Consistent spacing with cls above/below items 1 mark  
Document complete/paragraphs intact, no widows or orphans, split lists, split tables, blank pages 1 mark

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Landscape, 1 page wide 1 mark  
Candidate details top right 1 mark

## Extreme Outdoor Activities

**Title**  
Correct, 100% accurate 1 mark

Name, Centre No, Candidate No

Course_Code	Activity	Type	Location	Level	Daily_Cost	Duration	Course_Cost
BR019	Wing Walking	Air	Bristol	Extreme	€92.50	5	€482.50
BR010	Minimoto Racing	Wheels	Bristol	Extreme	€90.50	4	€382.00
BR011	Off Road Karting	Wheels	Bristol	Extreme	€87.75	5	€458.75
BR017	Stunt Flying	Air	Bristol	Extreme	€77.50	4	€330.00
CR021	Windsurfing	Water	Cornwall	Extreme	€92.00	10	€935.00
CR009	Kite Surfing	Water	Cornwall	Extreme	€92.00	6	€567.00
CR020	White Water Rafting	Water	Cornwall	Extreme	€88.30	8	€726.40
CR008	Kite Buggy	Wheels	Cornwall	Extreme	€86.25	10	€882.50
CR022							
CR011							
CR014							
JR019	Rib Trip	Water	Jersey	Extreme			
SC013	Ice Climbing	Thrill	Scotland	Extreme	€95.99	5	€499.95
SC024	Alpine Snow Skiing	Thrill	Scotland	Extreme	€91.45	9	€838.05
SC025	Skydiving	Air	Scotland	Extreme	€86.60	3	€279.80
SC028	Snow Tobogganing	Thrill				7	€384.00
SC031	Zip Lining	Thrill				4	€219.00
WA012	Off Road Riding	Wheels				5	€467.50
WA007	Formula One	Wheels				4	€337.00
WA003	Bungee Jumping	Thrill				2	€125.50
WA006	Escape and Evasion	Foot	Wales	Extreme	€48.00	8	€391.00
				Average cost per day	€75.42		

Leeds deleted (LD001) 1 mark

3 records added 3 marks  
Sorted by *Location* ascending, then  
*Daily\_Cost* descending 1 mark  
Specified fields, correct order, all data fully visible 1 mark

**Calculated field**  
Heading 100% accurate 1 mark  
Calculation –  $Daily\_Cost \times Duration + Insurance$  1 mark  
Formatted to Euro, 2 dp 1 mark

**Search**  
*Level = Extreme, Residential = Yes* 1 mark  
*Duration <=10, Location excludes Ireland* 1 mark  
(23 records)

Calculated Average of *Daily\_Cost* 1 mark  
Correct position, Euro, 2 dp 1 mark  
Label 100% accurate 1 mark

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**Master slide**

- All items created and appear on all slides with no overlap 1 mark
- Correct logo, resized 2.5 cm, placed bottom right, no distortion 1 mark
- Text *Tawara Adventure Centres*, 48 pt, serif, top left, no wrap 1 mark
- 3 pt horizontal line across slide below title 1 mark
- Centre No, Cand No, Name, 10 pt, serif, top right 1 mark
- Auto slide no, bottom left 1 mark

Tawara Adventure Centres

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*Outdoor Sporting Activities*


Let the fun begin...

Tawara Adventure Centres

*Centre locations:*

- Bristol
- Cornwall
- Ireland
- Jersey
- Scotland
- Wales

Open events available from December to March



Import slides correctly (7) 1 mark

**Slide 1** layout changed to title & subtitle 1 mark

**Slide 2** call out shape, correct position 1 mark  
call out text legible & correct 1 mark

**Slide 4** deleted (*Residential courses include:*) 1 mark


**Slide 5** 2x3 table, correct position, gridlines, no shading 1 mark  
Text 100% accurate, legible 1 mark

**Print** Handout slides – 6 to page 1 mark

Tawara Adventure Centres

*On-site facilities include:*

- Visitor Information Centre
- Licensed cafe
- Toilets and shower facilities
- Free Wi-Fi
- Free car parking and bike racking
- Disabled access




Tawara Adventure Centres

*Range of activities:*

- Adrenaline
- Air
- Animal
- Foot
- Water
- Wheels

Number of Activities



Tawara Adventure Centres

*Most popular activities:*

Quad Biking	Kayaking
Snowboarding	Zorbing
Climbing Wall	4x4 Driving



Tawara Adventure Centres

*We can organise:*

- Celebration weekends
- Family activity holidays
- School activity trips
- Charity events
- Corporate events



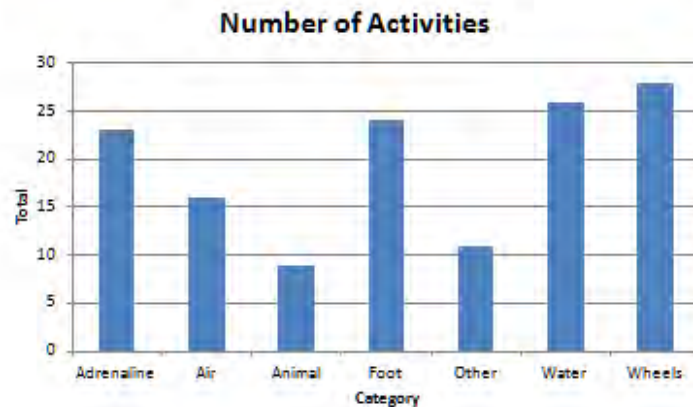
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# Tawara Adventure Centres

Centre number, candidate number, name

## Range of activities:

- Adrenaline
- Air
- Animal
- Foot
- Water
- Wheels



Vertical bar chart created from correct data, placed slide 4, right of text

1 mark

Chart titles created correctly, all labels displayed in full

1 mark

No legend

1 mark

**Print** – correct single slide printed

1 mark

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Candidate Name, Centre Number, Candidate Number

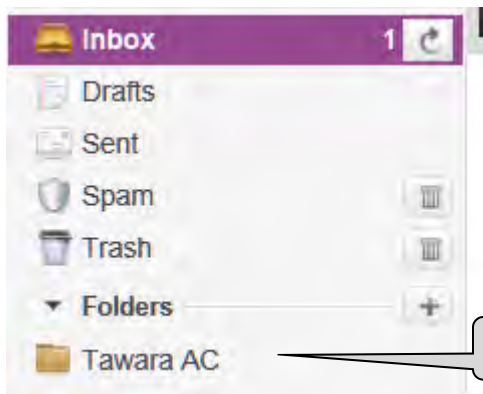
### Step 31 - Database field structure

J214ACTIVITIES	
Field Name	Data Type
Course_Code	Text
Activity	Text
Type	Text
Level	Text
Location	Text
Residential	Yes/No
Daily_Cost	Currency
Duration	Number
Insurance	Currency

#### Database structure

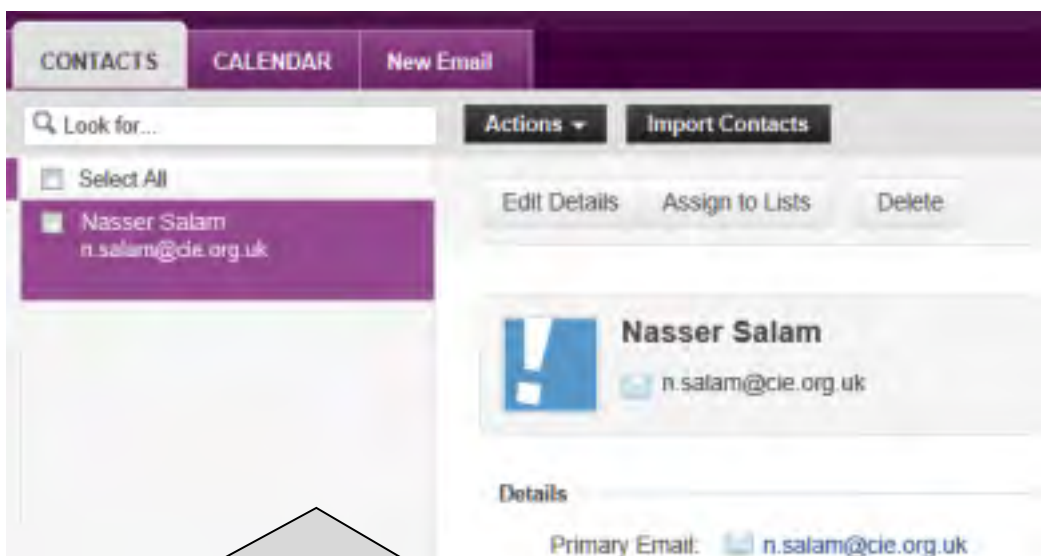
All field names as given/correct data types set 1 mark  
*Daily\_Cost* as currency (€ 2 dp check report) 1 mark  
 Boolean/logic/Yes/No set in design 1 mark

### Step 53 – folder evidence



Folder named **Tawara AC** created in inbox structure 1 mark

### Step 54 – Contact details stored in address book/contacts



#### Address Book/Contacts

Contact entry Nasser Salam, n.salam@cie.org.uk 1 mark

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Candidate Name, Centre Number, Candidate Number

### Step 57 – Email message

The screenshot shows an email draft interface with the following details:

- Buttons:** Send, Cancel, Save as Draft, Draft auto-saved at 10:41
- TO:** Nasser Salam
- CC:** (empty)
- BCC:** design.h@cie.org.uk
- SUBJECT:** Information Sheet
- Attachments:** Attachments, Emoticons, Format
- Attachment:** Flyer complete.docx
- Text:** Name, Centre number, Candidate number, The final version is attached for your approval.

**Marking Criteria (Callout Box):**

To: <b>n.salam@cie.org.uk</b>	1 mark
bcc: <b>design.h@cie.org.uk</b>	1 mark
Subject: <b>Information Sheet</b>	1 mark
Only document attached, appropriate file extension (e.g. doc, docx, odt, not original or rtf)	1 mark
Message text correct	1 mark