

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

TitleData 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 that challenge your skills and abilities and seek to provide you with relaxation and enjoyment in adventurous situations.

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

ACTIVITIES



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 exciting and unusual **outdoor** sports to suit all tastes.

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

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		

Footer

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

Filename & path

OUR CENTRES

Our centres are located within easy reach of beautiful sandy beaches, rugged sea cliffs, inland.

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

OUR

Bullets

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

You can rest assured when you book with us. Our guides and instructors have extensive knowledge of the

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 courses, risk assessments and more. We take care of you, so you can enjoy your experience. All Centre number, candidate number

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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.

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.

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

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

FACILITIES

All centres have clean and modern changing and showering facilities available to all. There are dining facilities with eating areas, balconies overlooking the stunning scenery. There is wheelchair access throughout specialised changing facilities. We have common rooms where you can relax, 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

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 facilities for indoor and outside eating and drinking to enjoy the fantastic views of the wide open space around you.

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.

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

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

Filename & path

Centre number, candidate number

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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	Alphine 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 <i>Tawara Adventure Centres</i> , 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

Outdoor Sporting Activities

Let the fun begin...

Tawara Adventure Centres

Centre locations:

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

Snow sports 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 call out text legible & correct	1 mark
Slide 4 deleted (<i>Residential courses include:</i>)	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

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



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

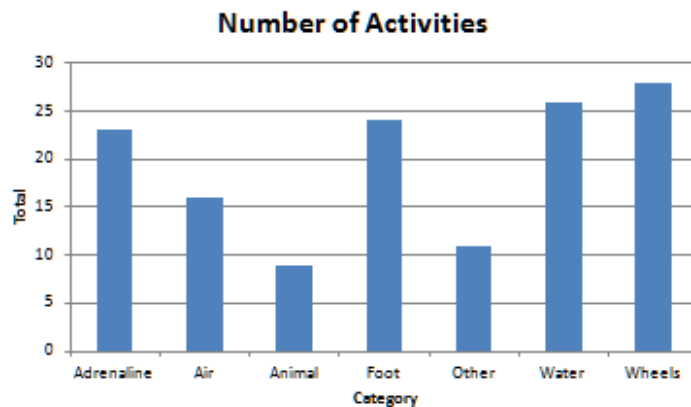
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Tawara Adventure Centres

Centre number, candidate number, name

Range of activities:

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



4



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

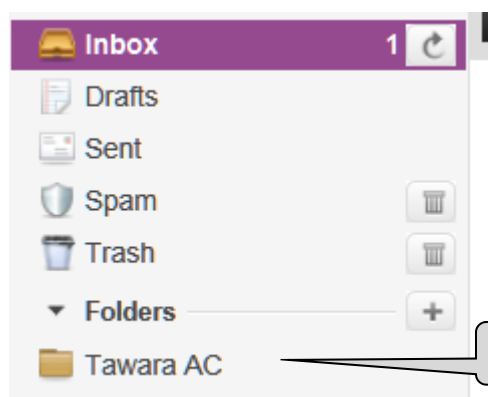
Step 31 - Database field structure

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

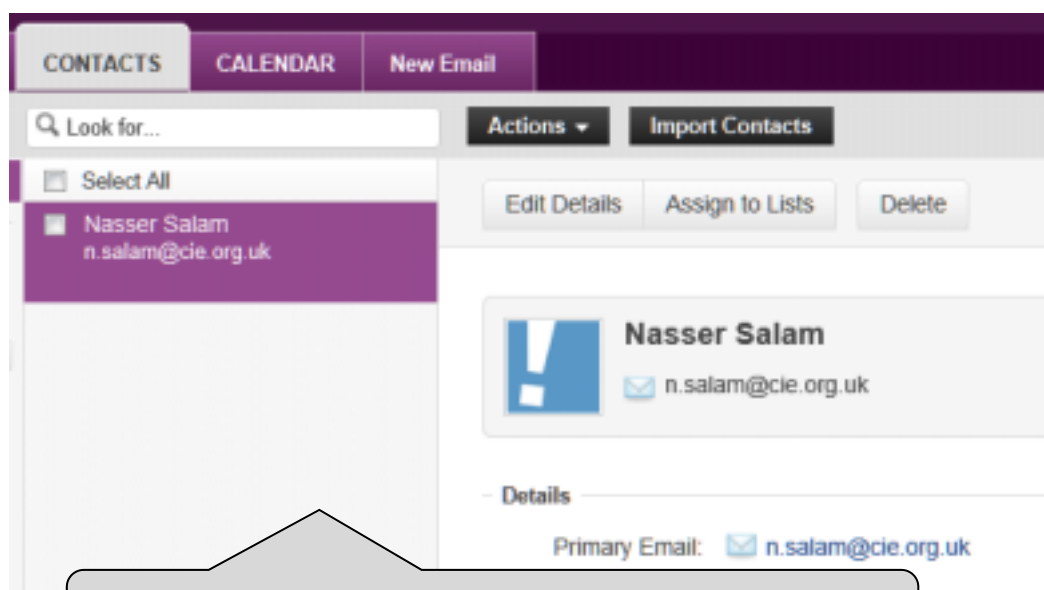
All field names as given/correct data types set 1 mark
Daily_Cost as currency (€ 2 dp check report) 1 mark
 Boolean/logic/Yes/No set in design 1 mark

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. At the top, there are buttons for 'Send', 'Cancel', and 'Save as Draft', along with the text 'Draft auto-saved at 10:41'. Below this, the 'TO:' field contains 'Nasser Salam', the 'CC:' field is empty, and the 'BCC:' field contains 'design.h@cie.org.uk'. The 'SUBJECT:' field contains 'Information Sheet'. There are plus signs to the right of each field and a 'Hide BCC' button. Below the fields are tabs for 'Attachments', 'Emoticons', and 'Format'. Under the 'Attachments' tab, there is an 'Attach file' button and a 'Remove' button. A file named 'Flyer complete.docx' is attached. A callout box points to the attachment and contains the following marking criteria:

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

Below the attachment list, there are fields for 'Name', 'Centre number', and 'Candidate number'. The body of the email contains the text: 'The final version is attached for your approval.'