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.
Welcome to our company. Our centres offer a range of fun sporting activities, from tranquil to exhilarating, in a safe and enjoyable environment. We cater for all levels and abilities and seek to provide outdoor activities which give you a sense of achievement, exhilaration and enjoyment in adventurous situations. 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 satisfy even the most 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:

<table>
<thead>
<tr>
<th>WATER COURSES</th>
<th>QUALIFICATION</th>
<th>LENGTH</th>
<th>COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dinghy Instructor</td>
<td>4 days</td>
<td>£320</td>
<td></td>
</tr>
<tr>
<td>VHF Radio</td>
<td>1 day</td>
<td>£99</td>
<td></td>
</tr>
<tr>
<td>Windsurfing Instructor</td>
<td>5 days</td>
<td>£375</td>
<td></td>
</tr>
<tr>
<td>Day Skipper</td>
<td>4 days</td>
<td>£325</td>
<td></td>
</tr>
<tr>
<td>Yachtmaster</td>
<td>6 days</td>
<td>£325</td>
<td></td>
</tr>
<tr>
<td>Navigation Award</td>
<td>2 days</td>
<td>£180</td>
<td></td>
</tr>
</tbody>
</table>

You can rest assured that you are in safe hands when you book with us. Our guides and instructors have extensive knowledge of the local area and are highly experienced and qualified in their specialist fields. It is our policy that our instructors are regularly sent on refresher courses to update their skills, techniques, qualifications and teaching approaches. We always ensure that the ratio of instructors to course participants is the best possible to promote safety and to maximise the learning experience.

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 operating procedures, risk assessments and emergency plans. We take care of you, so you can relax and enjoy your experience. All our centres are located within easy reach of beautiful sandy beaches, rugged sea cliffs, inland waterways and national parks. All of your adventures will take place in the spectacular wild environments surrounding each location.
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 adventure activities can be assured that they will be using the very best equipment. It is carefully chosen to be reliable and to offer excellent performance whilst maintaining 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 meet the needs of even the most demanding thrill seeker.

<table>
<thead>
<tr>
<th>Course_Code</th>
<th>Level</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC024</td>
<td>Extreme</td>
<td>Alpine Snow Skiing</td>
</tr>
<tr>
<td>SC013</td>
<td>Extreme</td>
<td>Ice Climbing</td>
</tr>
<tr>
<td>SC004</td>
<td>Advanced</td>
<td>Nordic Snow Skiing</td>
</tr>
<tr>
<td>SC028</td>
<td>Extreme</td>
<td>Snow Tobogganining</td>
</tr>
<tr>
<td>SC026</td>
<td>Advanced</td>
<td>Snowboarding</td>
</tr>
<tr>
<td>SC033</td>
<td>Advanced</td>
<td>Snowmobilng</td>
</tr>
</tbody>
</table>

**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 and specialised changing facilities. We have common rooms where you can relax and enjoy an optional TV and tea & coffee making facilities. There are also floodlit play areas.

**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 barbeque facilities for you 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.

### DB extract

<table>
<thead>
<tr>
<th>Activity contains Snow or Ice</th>
<th>Located = Scotland, Type = Thrill</th>
<th>Ascending order of Activity</th>
<th>Fields Course_Code, Level, Activity in order</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mark</td>
<td>1 mark</td>
<td>1 mark</td>
<td>1 mark</td>
</tr>
</tbody>
</table>

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

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

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
<table>
<thead>
<tr>
<th>Course_Code</th>
<th>Activity</th>
<th>Type</th>
<th>Location</th>
<th>Level</th>
<th>Daily_Cost</th>
<th>Duration</th>
<th>Course_Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>BR019</td>
<td>Wing Walking</td>
<td>Air</td>
<td>Bristol</td>
<td>Extreme</td>
<td>€92.50</td>
<td>5</td>
<td>€482.50</td>
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<tr>
<td>BR010</td>
<td>Minimoto Racing</td>
<td>Wheels</td>
<td>Bristol</td>
<td>Extreme</td>
<td>€90.50</td>
<td>4</td>
<td>€382.00</td>
</tr>
<tr>
<td>BR011</td>
<td>Off Road Karting</td>
<td>Wheels</td>
<td>Bristol</td>
<td>Extreme</td>
<td>€87.75</td>
<td>5</td>
<td>€458.75</td>
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<td>BR017</td>
<td>Stunt Flying</td>
<td>Air</td>
<td>Bristol</td>
<td>Extreme</td>
<td>€77.50</td>
<td>4</td>
<td>€330.00</td>
</tr>
<tr>
<td>CR021</td>
<td>Windsurfing</td>
<td>Water</td>
<td>Cornwall</td>
<td>Extreme</td>
<td>€92.00</td>
<td>10</td>
<td>€935.00</td>
</tr>
<tr>
<td>CR009</td>
<td>Kite Surfing</td>
<td>Water</td>
<td>Cornwall</td>
<td>Extreme</td>
<td>€92.00</td>
<td>6</td>
<td>€567.00</td>
</tr>
<tr>
<td>CR020</td>
<td>White Water Rafting</td>
<td>Water</td>
<td>Cornwall</td>
<td>Extreme</td>
<td>€88.30</td>
<td>8</td>
<td>€726.40</td>
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<tr>
<td>CR008</td>
<td>Kite Buggying</td>
<td>Wheels</td>
<td>Cornwall</td>
<td>Extreme</td>
<td>€86.25</td>
<td>10</td>
<td>€882.50</td>
</tr>
<tr>
<td>CR022</td>
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<td>CR014</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>
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

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 2×3 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

Outdoor Sporting Activities
Let the fun begin...

Centre locations:
- Bristol
- Cornwall
- Ireland
- Jersey
- Scotland
- Wales
Snow sports available from December to March

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

Range of activities:
- Adrenaline
- Air
- Animal
- Foot
- Water
- Wheels

Most popular activities:
- Quad Biking
- Kayaking
- Snowboarding
- Zorbing
- Climbing Wall
- 4x4 Driving

We can organise:
- Celebration weekends
- Family activity holidays
- School activity trips
- Charity events
- Corporate events

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Tawara Adventure Centres

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
Step 31 - Database field structure

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Data Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course_Code</td>
<td>Text</td>
</tr>
<tr>
<td>Activity</td>
<td>Text</td>
</tr>
<tr>
<td>Type</td>
<td>Text</td>
</tr>
<tr>
<td>Level</td>
<td>Text</td>
</tr>
<tr>
<td>Location</td>
<td>Text</td>
</tr>
<tr>
<td>Residential</td>
<td>Yes/No</td>
</tr>
<tr>
<td>Daily_Cost</td>
<td>Currency</td>
</tr>
<tr>
<td>Duration</td>
<td>Number</td>
</tr>
<tr>
<td>Insurance</td>
<td>Currency</td>
</tr>
</tbody>
</table>

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
Step 57 – Email message

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