## Cambridge IGCSE ${ }^{\text {TM }}$ (9-1)

## INFORMATION AND COMMUNICATION TECHNOLOGY <br> 0983/21 <br> Paper 2 Practical Test A <br> May/June 2020 <br> MARK SCHEME

Maximum Mark: 80

## Published

Students did not sit exam papers in the June 2020 series due to the Covid-19 global pandemic.
This mark scheme is published to support teachers and students and should be read together with the question paper. It shows the requirements of the exam. The answer column of the mark scheme shows the proposed basis on which Examiners would award marks for this exam. Where appropriate, this column also provides the most likely acceptable alternative responses expected from students. Examiners usually review the mark scheme after they have seen student responses and update the mark scheme if appropriate. In the June series, Examiners were unable to consider the acceptability of alternative responses, as there were no student responses to consider.

Mark schemes should usually be read together with the Principal Examiner Report for Teachers. However, because students did not sit exam papers, there is no Principal Examiner Report for Teachers for the June 2020 series.

Cambridge International will not enter into discussions about these mark schemes.
Cambridge International is publishing the mark schemes for the June 2020 series for most Cambridge IGCSE ${ }^{\text {TM }}$ and Cambridge International A \& 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.


## Global Market Growth

 Moun biking is a major sport that iswitness, increase in the number of
participar
worldwide

Subheadings (5)
MB-subhead style applied matches style defined in EV2

Data shows that mountain bikers are a lucrative demographic to target. In general

## Columns

Section break in correct position

1 mark All text changed to 2 columns, 1 cm column spacing

1 mark
eer men with higher than average hold income and education. The kers are willing to spend and the ch they are treating themselves which bodes well for the sport.

## Health Benefits

Health issues such as obesity, heart disease and diabetes are on the rise and physical exercise, especially in the outdoors, is essential for health and well-being. Studies have found that people who cycle regularly have a life expectancy two years above average and enjoy a level of fitness equivalent to someone ten years younger. Mountain biking is an aerobic activity that gives the heart, blood vessels and lungs a thorough workout. It is a fun and exciting way to enjoy the many health benefits of regular exercise including:

- increased cardiovascular fitness
- improved joint mobility, muscle strength and flexibility
- better posture and coordination
- strengthened bones
- reduced body fat levels
- lower blood pressure
- strengthened immune system
- reduced stress levels, anxiety and depression.

Name, centre number, candidate number At any age there is no better way to improve overall physical, mental and emotional health.
One reason many people choose mountain biking as a hobby is the potential for it to become a lifelong adventure.

## Competitive Racing

Competitive mountain biking is a relatively new sport which originates from America where the first national mountain bike competitions were held in 1983. The sport gained in popularity and the discipline grew

One reason many people choose mountain biking as a hobby is the potential for it to become a lifelong adventure. The youngest world championship winner w. 16 years

## Correct sentence copied to correct location, appears in both places 1 mark

## Mountain Biking Tourism

Mountain bike tourism is booming worldwide and is the second highest grossing outdoor recreation category in America. The market has been driven by growing demand for active
increased interest in 'green' continued global development istructure. Bikers are attracted nd rugged landscapes and the explore and ride new trails. pased in the same location with

| Image |  |
| :--- | :--- |
| Image inserted in correct position | 1 mark |
| Aligned to top of text and right margin, text wrapped | 1 mark |
| Image cropped to remove sky (top $1 / 3$ ) | 1 mark |
| Resized to 3.5 cm wide | 1 mark | Correct paragraph indented 1 cm from left and right margins 1 mark Thick (3-4pt) border applied to indented text

1 mark
Most
 into different categories and level of skill so the competition is balanced between riders with comparable age, skill and experience. In multilap courses the number of laps to be completed will depend on the type of race and rider ability category. Some races are time trials

Vertical bar chart created using correct data, year labels present
Chart in correct place, within margins, all data fully visible, no overlap
Chart title: Growth in Cross Country Events
Y-axis displays label: Number of Events
Y-axis displays minimum 9000, maximum 10500
Y -axis displays increments set at 250
Value data labels displayed above each bar, no legend or x-axis label

Research has shown that mountain bikers take two mountain bike holidays each year and tend to stay longer and spend more per day than other tourists. On average they will ride for 4 hours 45 minutes each day and cover 55.5


Events


MB-Body style seen in EV3 and applied serif, 12pt, justified, single line, 0 before, 6 pt after 1 mark Doc complete/paras intact, A4, portrait, margins 2 cm , spacing consistent, columns aligned at top, no widows/orphans, no overlap in chart, chart, list \& bordered paragraph not split, no blank pages, $6 p t$ after bullets

## Top Ability Females

| First_Name | Last_Name | Gender |
| :--- | :--- | :--- |
| Daena | Perry | Female |
| Danielle | Gibson | Female |
| Madeleine | Chamberlain | Female |
| Emily | Glendinning | Female |
| Clementine | Cunningham | Female |
| Linda | De Boon | Female |
| Nicole | Ecerova | Female |
| Julia | Jackson | Female |
| Sian | Maclean | Female |
| Jane | Hagedorn | Female |
| Susan | Caskey | Female |
| Zuzana | Gunawardena | Female |
| Safiya | Gamal | Female |
| Genevieve | Michalski | Female |
| Jenny | Bourgue | Female |
| Alana | Aardal | Female |
| Jennifer | Sinclair | Female |
| Ruby | Harris | Female |
| Laura | Widney | Female |
| Elizabeth | Turcott | Female |
| Jenaya | Keenlisde | Female |
| Meghan | Sullivan | Female |
| Emmanuelle | Leonardson | Female |
| Patricia | Roberts | Female |
| Christina | Callaghan | Female |
| Alex | Liu | Female |
| Su | Wai Wai Hnin | Female |
| Nadine | Turner | Female |
| Janet | McConnachie | Female |
| Jill | Hurford | Female |
| Katy | Walters | Female |
|  |  |  |

Club Procycles Racing
Cyclemeisters
Kernow Pedallers
Tawara Bike Buddies
Redbike Rollers
Trail Blazers
Velocity Bikers
Camel Cycling
Kernow Pedallers
Mountain Kings
Vortex Spoke
Procycles Racing Flying Cyclops Kernow Pedallers Endurance Cycles
Camel Cycling Hardcore Cycling
Camel Cycling
Procycles Racing
Kernow Pedallers
Trail Blazers
Tawara Bike Buddies
Cyclemeisters
Flying Cyclops
Mountain Kings
Kernow Pedallers
Mud and Gears Vortex Spoke Hardcore Cycling
Camel Cycling Mud and Gears

Name, centre number, candidate number

| Licence | Points | Ability |
| :---: | :---: | :---: |
| Yes | 150 | Elite |
| Yes | 125 | Elite |
| Yes | 125 | Expert |
| Yes | 110 | Expert |
| Yes | 110 | Elite |
| Yes | 100 | Expert |
| Yes | 100 | Elite |
| Yes | 90 | Expert |
| Yes | 90 | Elite |
| Yes | 80 | Expert |
| Yes | 80 | Elite |
| Yes | 70 | Elite |
| Yes | 65 | Elite |
| Yes | 65 | Expert |
| Yes | 60 | Expert |
| Yes | 60 | Elite |
| Yes | 55 | Elite |
| Yes | 55 | Expert |
| Yes | 50 | Elite |
| Yes | 50 | Expert |
| Yes | 44 | Expert |
| Yes | 44 | Elite |
| Yes | 41 | Elite |
| Yes | 38 | Elite |
| Yes | 38 | Expert |
| Yes | 36 | Elite |
| Yes | 36 | Expert |
| Yes | 34 | Expert |
| Yes | 30 | Expert |
| Yes | 28 | Expert |
| Yes | 26 | Expert |

Bike C1um
Title 100\% accurate, fully visible, no other headings 1 mark Title in a black, 28 point, serif font style


Name, centre number, candidate number

| Last_Name | First_Name | Gender | Age_Jan | Category | Club | Event_Rank | Licence | Race_Time | Lap_Time |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Klein | Robert | Male | 50 | Grand Veteran | Velocity Bikers | 6 | Yes | 01:14:50 | 25 |
| Gooding | Denis | Male | 49 | Veteran | Bike Runners | 43 | Yes | 01:24:12 | 21 |
| Brassington | Vic | Male | 48 | Veteran | Velocity Bikers | 6 | Yes | 01:11:55 | 18 |
| Daniel | Chris | Male | 48 | Veteran | Velocity Bikers | 37 | Yes | 01:22:23 | 21 |
| Chilvers | Ryan | Male | 47 | Veteran | Tawara Bike Buddies | 16 | Yes | 01:16:01 | 19 |
| Naylor | Justin | Male | 46 | Veteran | Velocity Bikers | 26 | Yes | 01:18:34 | 20 |
| Platten | Trevor | Male | 46 | Veteran | Velocity Bikers | 13 | Yes | 01:14:26 | 19 |
| Stevens | Ian | Male | 45 | Veteran | Redbike Rollers | 12 | Yes | 01:14:05 | 19 |
| Malcolm | Daniel | Male | 45 | Veteran | Bike Runners | 19 | Yes | 01:16:37 | 19 |
| McGrath | Jean-Michel | Male | 43 | Veteran | Tawara Bike Buddies | 17 | Yes | 01:16:12 | 19 |
| Blackett | Nolan | Male | 42 | Veteran | Bike Runners | 14 | Yes | 01:15:47 | 19 |
| Watson | Ryan | Male | 42 | Veteran | Velocity Bikers | 31 | Yes | 01:19:26 | 20 |
| Cahill | Felix | Male | 41 | Veteran | Tawara Bike Buddies | 22 | Yes | 01:18:01 | 20 |
| Hughes | Mike | Male | 40 | Veteran | Bike Runners | 47 | Yes | 01:25:39 | 21 |
| Quinney | Tanner | Male | 40 | Veteran | Redbike Rollers | 56 | Yes | 01:31:30 | 23 |
| Walsh | Karol | Male | 40 | Veteran | Velocity Bikers | 5 | Yes | 01:11:46 | 18 |
| Average Age of Veterans |  |  |  |  | Formatting <br> Race Time displays hh:mm:ss, Licence as Yes/No 1 mark |  |  |  |  |

Name, centre number, candidate number

| Calculates correct average age 52 | 1 mark |
| :--- | :--- |
| Displayed as integer, positioned under Age_Jan column | 1 mark |
| Accurate label entered to left | 1 mark |


| Name, Centre number, candidate number <br> displays in report footer, on every page | 1 mark |
| :--- | :--- |

# Glynn Valley Cycling Academy <br> \author{ Coburg Arena 

} CAMBRIDGE CB1 3JC
Tet: 01632882781
Email: enquiriesemmtbracing.org.uk
20 September 2019

:Street?
*Areas
Postcodes
Dear cFirst_Names
Event Classification
Venue:
Classification.
Merge Fields inserted - <text> replaced - correct position and spacing, punctuation maintained for all «Title» | «First_Name» | «Last_Name» | «Street» | «Area» | «Postcode» | «First_Name» 1 mark

We have received your application form for the above event. Your race entry details are as follows:

You are entered for the «Race_Typen event in the \&Abilitys «Category* class. Any ranking points earned on the day will be credited to your riding club, sClubs. The provisional event timetable is:
09:15 hours
Practice_Runs - $10: 45$ hours
$11: 00$ hours
11:15 hours
Race_Start hours
15:30 hours

## Registration

Course available for practice run
Race brief. All riders must attend.
Racing commences
aType_IDx - aRace_Typer Event
Awards ceremony

Medals will be awarded in each category for first, second and third place. Expert and Elite are ability categories that are only open to riders holding a fully endorsed race licence. To qualify for Expert and Elite ranking points riders must present their licence at the time of registration.

All equipment must be in good, safe, working condition. A safety-approved cycling helmet must be worn at all times. Gloves and eye protection are also highly recommended. No cycle-cross or hybrid bikes are permitted. All riders must display their race number which should be attached to the front of the bike prior to staging.

This regional competition will be run according to MTB regulations. Riders must ensure they are familiar with these rules and regulations. We look forward to seeing you at this event.

Yours sincerely

A Candidate
Master document printed,
Name. centre no \& candidate no in the footer 1 mark

Membership and Event Services

Name, centre number, candidate number


Glynn Valley Cycling Academy

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Guide presented by: Candidate Name

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## The Racing Course

- off-road venues with mixed terrain including parklands, forestry sites, fields and gravel paths
- incorporates climbs, descents and technical features
- races held over multiple laps of an undulating circuit
- number of race laps depends on type of event and rider category less experienced riders tackle fewer laps
- to ensure similar lap times a hilly course will be shorter than a flat course


Competition Types

| Cross Country Race Types |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Type | Code | $\begin{aligned} & \text { Min } \\ & \text { Age } \end{aligned}$ | Lenteth (km) | Caracteristics |
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Slide 3 - layout changed to title and $5 \times 9$ table - all rows/columns fully displayed
1 mark
All data copied into table, column widths adjusted, content fully visible, no split words
1 mark Text in all rows centre aligned vertically

1 mark
New row inserted as first row of table, row merged and centre
1 mark
Title Cross Country Race Types entered accurately in new row
1 mark
Bold and 18pt font size applied to rows 1 and 2 only
1 mark
Shading applied to rows 1 and 2 only
1 mark
Plain table style applied no cell shading, all gridlines displayed 1 mark
All slides printed with 2 slides to page 1 mark

- all other categories are based on age
- progression to elite/expert is through ranking points
- a full race licence is compulsory to qualify for national ranking points


## Racing Equipment

- lightweight bikes with front or dual suspension, strong brakes on all wheels and a wide range of gears to cope with mixed terrain
* wide knobbly tyres which help with off-road access
- bikes must be mechanically sound and capable of safely completing the course
* a protective helmet is compulsory


## During the Race

- a good grid position and start are vital in mass start races
- a front number plate must displayed at all times
* the use of headphones, earpleces or any communication devices is prohibited
* signposts every kilometre indicating the distance remaining to the finish line
- bike changes are not permitted
- technical assistance can only be given in the dedicated technical zone
- feeding is only permitted in the designated assistance zone

Step 1 - EVIDENCE 1

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22/08/2018 09:30
Microsoft Word Document
21 KB
Step 3 - EVIDENCE 2


Step 3 - EVIDENCE 3


Step 6 - EVIDENCE 4


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MB-subtitle - style modified
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Step 21 - EVIDENCE 6


Step 24 - EVIDENCE 7
\(\underset{\substack{\text { Avg([Age_Jan]) }} \underset{\text { Calculated average }}{|c|} 1 \text { mark }}{ }\)

\{DATE 【@ "dd MMMM yyyy" [2 MERGEFORMAT \}
Step 29 - EVIDENCE 10


Step 30 - EVIDENCE 11
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