

CAMBRIDGE INTERNATIONAL EXAMINATIONS

Cambridge International General Certificate of Secondary Education

MARK SCHEME for the May/June 2015 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 2015 series for most Cambridge IGCSE[®], Cambridge International A and AS Level components and some Cambridge O Level components.

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Logo 2.5cm high, on right in header no overlap 1 mark

Data entry 100% accurate, right aligned 1 mark
30pt, serif, bold 1 mark



COARSE FISHING IN THE UK

Beginners guide by: Candidate Name

Angling is the sport of catching fish with a rod, reel, line and a wide range of baits or lures such as artificial flies. It is one of the most popular sports in the UK. Anglers must be aware of the conventions, rules, licensing restrictions and local regulations. Anglers must become familiar with these.

Data entry 100% accurate, centre aligned 1 mark
16pt serif, italic, underlined (no other emphasis) 1 mark

Fishing can be a means of providing food for survival. Throughout the history of fishing, various fishing methods and species of fish. These fishing variations have developed into specialised skills that may be specific to the type of water in which an angler will be fishing or the kind of fish targeted.

Replace 3 instances of **regulations** with **rules** 1 mark

2 columns, 2cm col spacing 1 mark

Types of Angling

PERMISSION TO FISH

Coarse fishing is the most common type of angling in the UK. It involves catching fish in rivers, lakes and canals.

A rod licence does not give the automatic right to fish on any river, lake or canal. Permission must be obtained from whoever owns or rents the fishing rights. This is usually the adjacent landowner or an angling club. Not all owners allow fishing on their waters and some restrict fishing to certain times of the year.

Body text
Section break above heading 1 mark
11pt, sans-serif font 1 mark
Single line space, fully justified 1 mark

All Subheadings
Centre aligned, 14pt, serif, underlined 1 mark

Table

- 3x8 table, correct position within column width 1 mark
- Data entry 100% accurate 2 mark
- Top row cells merged, heading centred 1 mark
- Top row only bold and underlined 1 mark
- Second row only, italic, right aligned, text wrapped, no split words 1 mark
- Text matches body text 1 mark
- Text on one line (rows 3-8), numbers right aligned 1 mark
- No gridlines displayed 1 mark

Close Season

The close season is from 15 March to 15 June. This applies to all rivers, streams and canals. It does not apply to most stillwaters. Changes in the close season mean that the coarse fishing close season does not apply to most canals. Anglers and angling clubs are free to fish during the close season through their club or organisation. Check with individual clubs.

ROD LICENCE PRICES

Fish Welfare

	Freshwater fish	Salmon and sea trout
Full season	£27.00	£72.00
Seniors	£18.00	£48.00
Juniors (12 to 16)	£5.00	£5.00
Children under 12	Free	Free
8 day	£10.00	£23.00
1 day	£3.75	£8.00

Footer
Candidate name & Candidate number right aligned 1 mark

Footer
Filename and full path left aligned 1 mark

File name and full path

Candidate name, Candidate number

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Getting Started

All fish are covered with a protective layer of slime which acts as a defence against parasitic infections, bacteria and other diseases that a fish may contract. To avoid removing this protective coating always wet your hands before handling the fish and never use a cloth to hold a fish.

Never throw a fish back into the water. Get close to the water to release the fish and let it swim away. If it is a large fish such as Barbel, it may have tired itself out whilst being caught. In this case, hold the fish in the water facing the current until it is ready to swim away. Moving the fish backwards and forwards can aid its recovery.

Beginners should start with a stillwater pond or lake for their first fishing trip with a fishing depth of around 6 feet. Most fishing waters have an owner or are controlled by a fishing club and you must have permission to fish the water. Many angling clubs allow you to purchase a day permit which can cost from £3.00 upwards. Suitable starter venues include:

Location	Venue_Name	Day_Permit
CLEVELAND	CHARLTON'S PONDS	£3.50
KENT	HAYSDEN LAKE	£3.80
SOMERSET	MARSTON LAKE	£4.00
EAST LONDON	ORNAMENTAL POND	£4.20
EAST LONDON	PERCH POND	£4.30
OXON	HEYFORD LAKES	£4.35
LANCASHIRE	ABBAY LAKE	£4.50

Freshwater Fish

Common types of freshwater fish include:

- Barbel
- Bream
- Carp
- Eels
- Perch
- Pike
- Roach
- Tench

Bullets

- List sorted alphabetically 1 mark
- Bullets applied to list 1 mark
- Bullets indented to 2cm 1 mark

to follow a the fishery rules, return all water and all your litter home with your fishing gear. All soon be hooked!

Canals usually contain a variety of freshwater fish and are suitable for 'mixed coarse fish'. Tench and carp are common species, but some larger fish such as pike and perch are also found. Larger fish are called 'predators' because they eat smaller fish. Ponds and reservoirs are stocked with fish for angling often with a few species such as carp, bream and tench.

Database extract

- Inserted in correct place as table with no title 1 mark
- Venue_Name contains Lake or Pond 1 mark
- Day_Permit is <=£4.50 1 mark
- Depth is <6 1 mark
- Ascending order of Day_Permit 1 mark
- Fields Location, Venue_Name, Day_Permit only, in order and all data correct, no split words and fully visible 1 mark

Non-native fish pose a real threat to the wider environment. Some species, such as the well-known carp, have been introduced to provide an additional attraction for anglers. Where these are legally stocked in the right waters they can spread to the wider environment. If introduced with a river connection they can have a devastating effect on the native catch any non-native species should be removed immediately.

Page layout

- Consistent spacing with 11pt line space above/below items 1 mark
- No widows or orphans, no split tables or lists, no blank pages 1 mark
- Document complete/paragraphs intact 1 mark

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West Country Venues

Title

Correct, 100% accurate 1 mark

Candidate details top right 1 mark

Name, Centre number, Candidate number

Venue_Name	Location	Telephone	Night_Fishing	Date_Opened	Best_Fish	Day_Permit	Season_Permit	Week_Permit
BOLINGEY LAKES	CORNWALL	0872 573247	Yes	04-Jul-95	CARP	£7.00	£85.00	£35.00
GOONHAVEN LAKE	CORNWALL	0872 540590	Yes	30-Oct-96	CARP	£5.00	£55.00	£25.00
WHEAL GREY	CORNWALL	0736 365638	Yes	10-Mar-97	CARP	£6.00	£45.00	£30.00
ABBROOK POND	DEVON	0392 256770	Yes	08-May-95	CARP	£5.00	£45.00	£25.00
EDDISON POND	DEVON	0626 364173	Yes	10-May-96	CARP	£6.00	£50.00	£30.00
LUCCOCK POND	DEVON	0647 61088	Yes	23-Jun-99	CARP	£6.00	£100.00	£30.00
RACKEY POND	DEVON	0626 364173	Yes	04-Jan-00	CARP	£6.00	£55.00	£30.00
ROCOMBE PONDS	DEVON	0803 328652	Yes	02-Dec-96	CARP	£6.00	£60.00	£30.00
SPRINGS PONDS	DEVON	0803 328652	Yes	25-Aug-00	CARP	£5.00	£45.00	£25.00
SQUABMOOR RESERVOIR	DEVON	0837 871565	Yes	01-Sep-00	CARP	£5.50	£90.00	£27.50
TIVERTON CANAL	DEVON	0884 242275	Yes	28-Jun-95	PIKE	£5.00	£39.00	£25.00
TIVERTON PASS	DEVON	0884 256721	Yes	17-Jun-95	CARP	£5.00	£28.00	£25.00
UPHAM FARM	DEVON	0395 232247	Yes	15-Jun-00	CARP	£6.00	£65.00	£30.00
CRANBORNE FRUIT FARM	DORSET	0425 614582	Yes	22-Dec-95	PIKE	£8.00	£65.00	£40.00
DORSET STOUR	DORSET	0202 485169	Yes	28-Mar-96	CARP	£7.00	£120.00	£35.00
MUDEFORD WOOD LAKE	DORSET	0202 485169	Yes	02-Aug-99	CARP	£7.00	£47.00	£35.00
RADIPOLE LAKE	DORSET	0305 782624	Yes	06-Jan-00	CARP	£5.50	£49.80	£27.50
TODBER MANOR	DORSET	0258 820384	Yes	02-Jul-95	PIKE	£5.00	£75.00	£25.00
RIVER PIDDLE	DORSET	0929 550540	Yes	12-Aug-99	CARP	£6.50	£55.50	£32.50
MILEMEAD	DEVON	0822 610888	Yes	04-Aug-99	PIKE	£7.00	£115.00	£35.00
RIVER CULM	DEVON	0647 24566	Yes	09-May-00	PIKE	£5.00	£45.00	£25.00

RIVER CAMEL deleted 1 mark

3 records added, 100% accurate 3 marks
 Specified fields in correct order 1 mark
 Landscape, all data fully visible, fits on one page 1 mark

Formatting

Day_Permit and *Season_Permit* formatted as £ to 2 decimal places consistently 1 mark
Date_Opened formatted dd-mmm-yy 1 mark
Night_Fishing displayed as Yes/No 1 mark

Search

Location = Devon, Cornwall or Dorset 1 mark
Best_Fish = Carp or Pike 1 mark
Night_Fishing = Yes 1 mark

Calculated field

Heading 100% accurate 1 mark
 Correct values 1 mark
 Formatted as £ to 2 decimal places consistently 1 mark

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Capital Season Tickets

Title

Correct, 100% accurate 1 mark

Location	Venue_Name	Best_Fish	Day_Permit	Season_Permit
EAST LONDON	HARWOOD HALL	ROACH	£5.50	£70.00
EAST LONDON	PERCH POND	PIKE	£4.30	£55.00
EAST LONDON	ORNAMENTAL POND	PIKE	£4.20	£55.00
EAST LONDON	MAYES WOOD PARK LAKES	PIKE	£6.00	£49.00
EAST LONDON	BEDFORD LAKES	PERCH	£6.00	£45.00
EAST LONDON	RIVER LEA	PERCH	£4.50	£45.00
NORTH EAST LONDON	COPPEL LAKES	PERCH	£8.00	£115.00
NORTH EAST LONDON	JUNIOR LAKES	PERCH	£8.00	£115.00
NORTH LONDON	JACK'S LAKES	PERCH	£6.00	£60.00
NORTH LONDON	LEA NAVIGATION	PERCH	£4.50	£50.00
NORTH LONDON	RIVER LEA NAVIGATION	PERCH	£4.50	£50.00
OXON	MILTON POOLS	PIKE	£8.25	£150.00
OXON	LINCH HILL	CARP	£13.00	£90.00
OXON	MANOR LAKE	PERCH	£7.00	£75.00
OXON	HEYFORD LAKES	PERCH	£4.35	£60.00
OXON	STATE'S LAGOON	PERCH	£7.00	£60.00
OXON	DORCHESTER LAKE	PERCH	£5.00	£47.00
OXON	RIVER WINDRUSH	ROACH	£7.00	£47.00
OXON	CLATTERCOTE RESERVOIR	PIKE	£7.00	£45.00
SOUTH LONDON	BURGESS PARK	CARP	£4.00	£55.00
WEST LONDON	THE CUTTING	PIKE	£5.00	£70.00
WEST LONDON	COWLEY LAKE	PERCH	£8.00	£70.00
WEST LONDON	BEDFONT LAKE	BREAM	£5.50	£65.00
Name, Candidate number, Candidate number			Average cost	£67.09

Search

Location = Oxon

1 mark

OR

London

1 mark

Season_Permit is >=£45.00

1 mark

Sorted by *Location* ascending, then
sorted by *Season_Permit* descending

1 mark

Specified fields in correct order

1 mark

Portrait. all data fully visible. fits single page wide

1 mark

Calculated field Average of *Season_Permit*

1 mark

Below *Season_Permit* field, formatted as £

to 2 decimal places

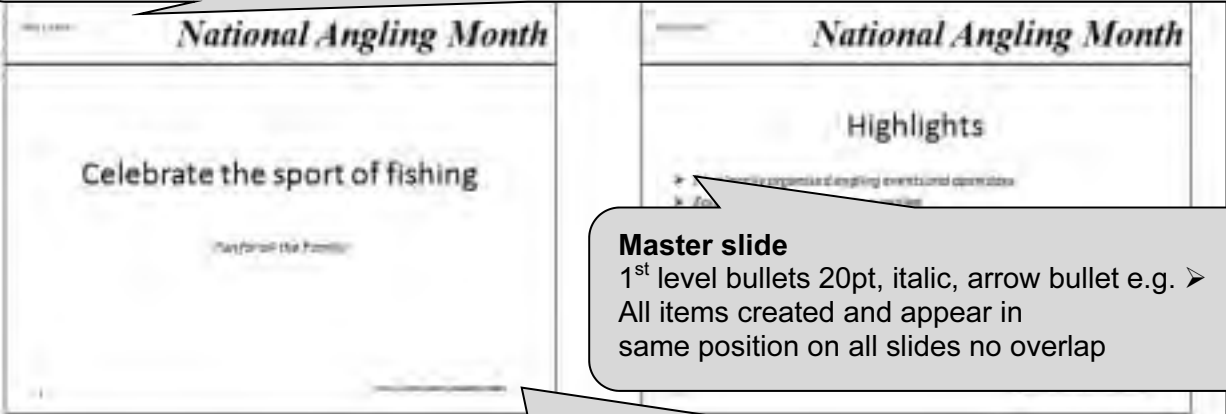
1 mark

Label 100% accurate to left of calculated field

1 mark

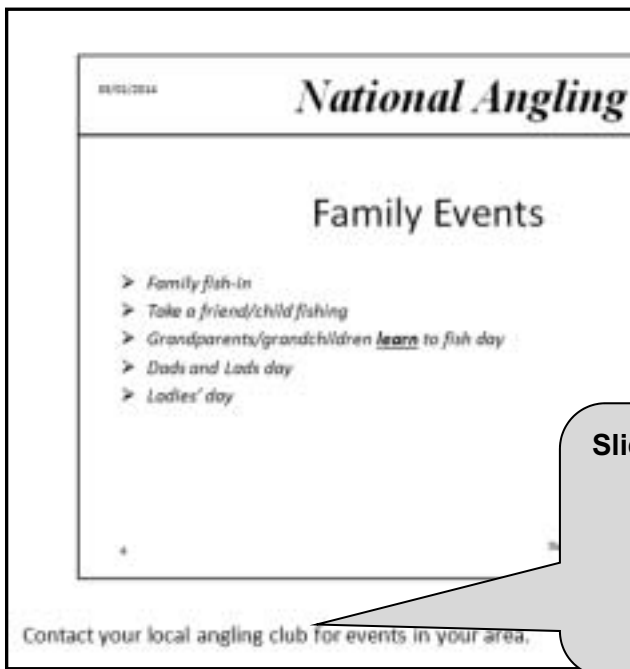
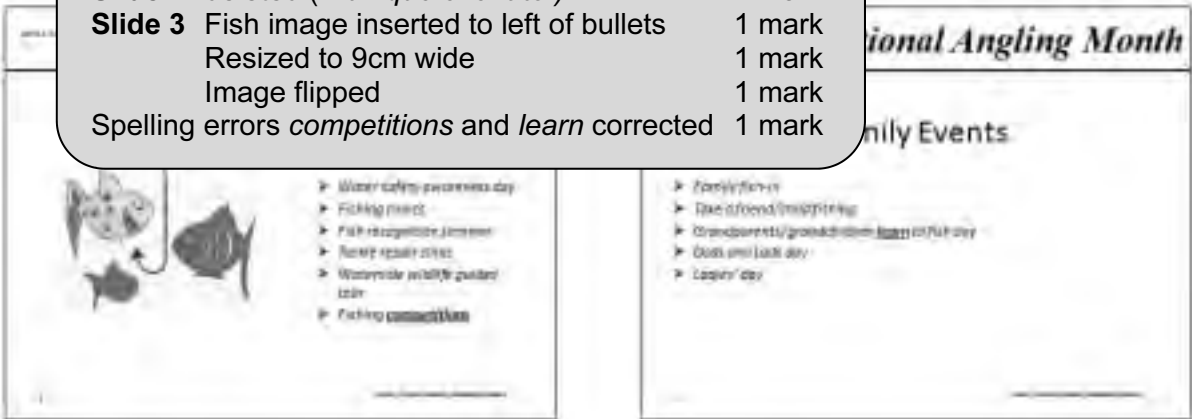
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Master slide
 Text *National Angling Month*, 48pt, italic, serif, top right aligned, no text wrap 1 mark
 3pt to 4pt horizontal line across full width of slide, below title 1 mark
 Auto date in top left corner, auto slide number bottom left 1 mark
 Candidate Name. Centre number. candidate number. 10pt. serif. in bottom right corner 1 mark



Master slide
 1st level bullets 20pt, italic, arrow bullet e.g. ➤ 1 mark
 All items created and appear in same position on all slides no overlap 1 mark

Import slides correctly, no blank slides 1 mark
Slide 1 layout changed to centred title & subtitle 1 mark
Slide 2 deleted (*A unique event to:*) 1 mark
Slide 3 Fish image inserted to left of bullets 1 mark
 Resized to 9cm wide 1 mark
 Image flipped 1 mark
 Spelling errors *competitions* and *learn* corrected 1 mark



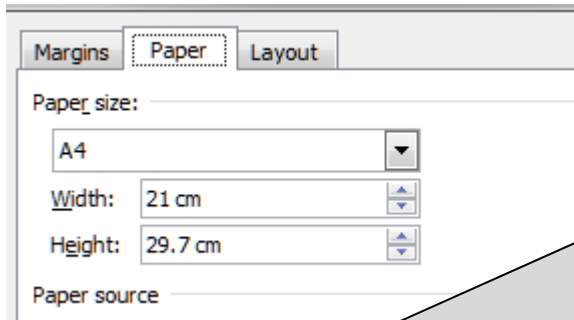
Print
 Slides printed as hand outs four to page and Slide 4 printed as single slide with notes 1 mark

Slide 4 Speaker notes entered accurately and in correct position 1 mark

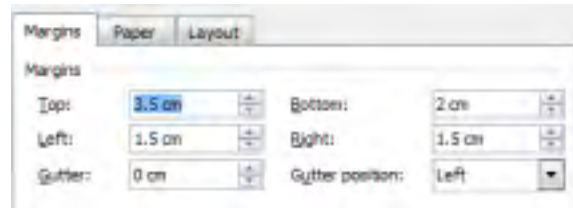
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EVIDENCE DOCUMENT

Step 4 Paper size screen shot evidence

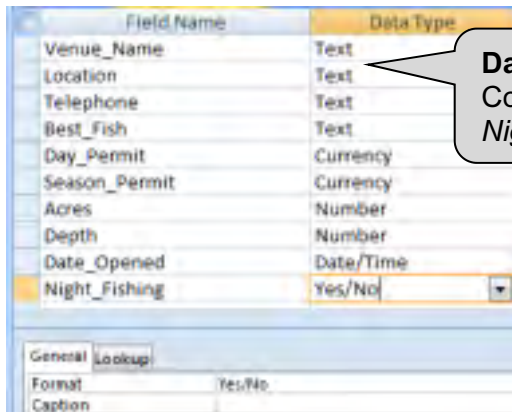


Step 5 Margin screen shot evidence:



Screenshots of settings for Page layout of information sheet
 A4 and Portrait 1 mark
 Margins top 3.5cm, bottom 2cm, left & right 1.5cm 1 mark

Step 30 Database field structure screen shot



Database structure
 Correct field names and data types as given 1 mark
 Night_Fishing Boolean/logical with Yes/No set in design 1 mark