



Cambridge International Examinations
Cambridge International General Certificate of Secondary Education

CANDIDATE
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GEOGRAPHY

0460/21

Paper 2

October/November 2017

1 hour 30 minutes

Candidates answer on the Question Paper.

Additional Materials: Ruler
 Protractor
 Plain paper
 Calculator

1:25 000 Survey Map Extract is enclosed with this Question Paper.

READ THESE INSTRUCTIONS FIRST

Write your Centre number, candidate number and name in the spaces provided.

Write in dark blue or black pen.

You may use an HB pencil for any diagrams or graphs.

Do not use staples, paper clips, glue or correction fluid.

DO NOT WRITE IN ANY BARCODES.

Write your answer to each question in the space provided.

If additional space is required, you should use the lined pages at the end of the booklet. The question number(s) must be clearly shown.

Answer **all** questions.

The Insert contains Photographs A and B for Question 4, and Photograph C for Question 6.

The Survey Map Extract and the Insert are **not** required by the Examiner.

Sketch maps and diagrams should be drawn whenever they serve to illustrate an answer.

At the end of the examination, fasten all your work securely together.

The number of marks is given in brackets [] at the end of each question or part question.

Definitions

MEDCs – More Economically Developed Countries

LEDCs – Less Economically Developed Countries

The syllabus is approved for use in England, Wales and Northern Ireland as a Cambridge International Level 1/Level 2 Certificate.

This document consists of **17** printed pages, **3** blank pages and **1** Insert.

- 1 Study the map extract for Vangsvatnet, Norway. The scale is 1:25 000.

Fig. 1 shows some of the features around the lake of Vangsvatnet. Study Fig.1 and the map extract, and answer the questions on the opposite page.

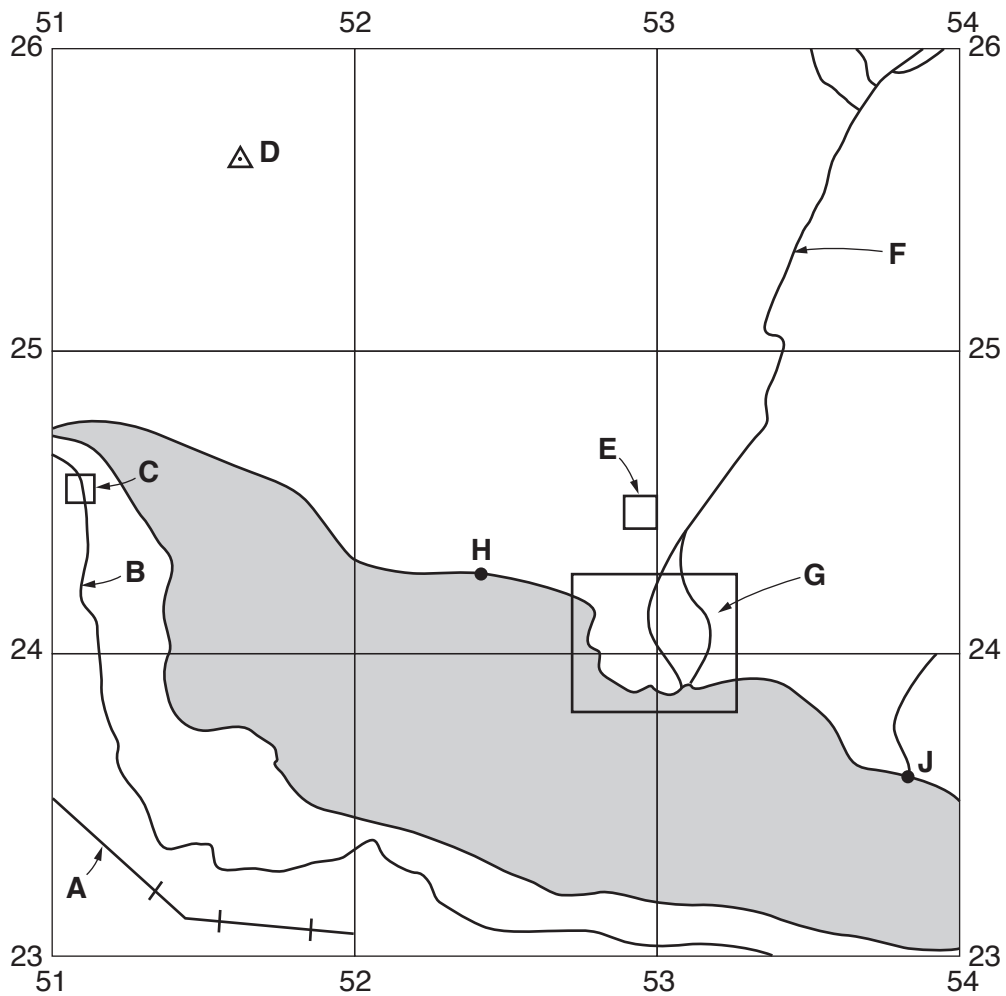


Fig. 1

(a) Using the map extract, identify the following features shown in Fig. 1:

(i) feature **A**;

.....[1]

(ii) feature **B**;

.....[1]

(iii) feature **C**;

.....[1]

(iv) the height above sea level at trigonometric point **D**;

.....[1]

(v) feature **E**;

.....[1]

(vi) the name of river **F**;

.....[1]

(vii) the feature of the river in area **G**.

.....[1]

(b) A person walks along the edge of the lake from **H** to **J**. How far does the person walk? Circle **one** correct answer below.

1500 m

1800 m

2100 m

2400 m

[1]

(c) Describe the route of the railway from the western edge of the map to the settlement at Bulken.

.....
.....
.....
.....
.....[2]

(ii) the proportion of the population aged 65 and over.

.....
[1]

(c) Fig. 5 shows an estimate of the population structure of Japan in 2030.

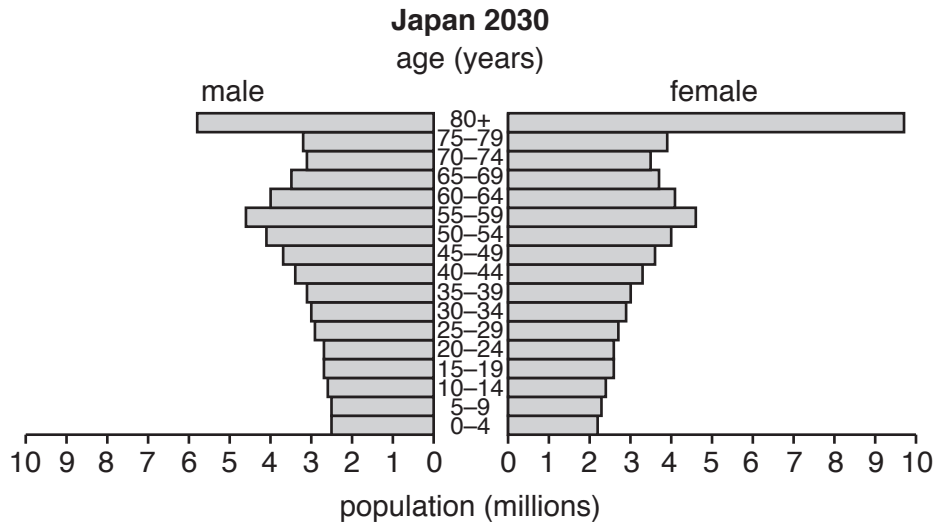


Fig. 5

(i) Using Figs. 4 and 5, describe how Japan's population structure is expected to change between 2013 and 2030.

.....

[2]

(ii) Suggest **two** problems the changes you have described in (c)(i) may cause.

1

 2

[2]

[Total: 8 marks]

4 (a) Photograph A (Insert) shows a weather station at a school in Zimbabwe.

(i) Name the box labelled **X** in Photograph A.

..... [1]

(ii) Name **one** instrument kept inside the box.

..... [1]

(iii) What does instrument **Y** measure?

..... [1]

(iv) Identify instrument **Z**.

..... [1]

(v) What does instrument **Z** measure?

..... [1]

(b) Photograph B (Insert) shows a digital weather station.

(i) How is data collected and recorded at this type of weather station?

.....
.....
.....
.....
..... [2]

(ii) Explain **one** disadvantage of the location of the weather station in Photograph B.

.....
.....
..... [1]

[Total: 8 marks]

5 Employment can be classified as *primary*, *secondary*, *tertiary* and *quaternary*.

(a) Give **one** example of each type of employment. Choose from the following list:

designing

mining

manufacturing

transport

Primary

Secondary

Tertiary

Quaternary

[3]

(c) Fig. 9 shows the employment structure of two countries X and Y. For each country, give its stage of economic development, 1, 2 or 3, as shown on Fig. 8.

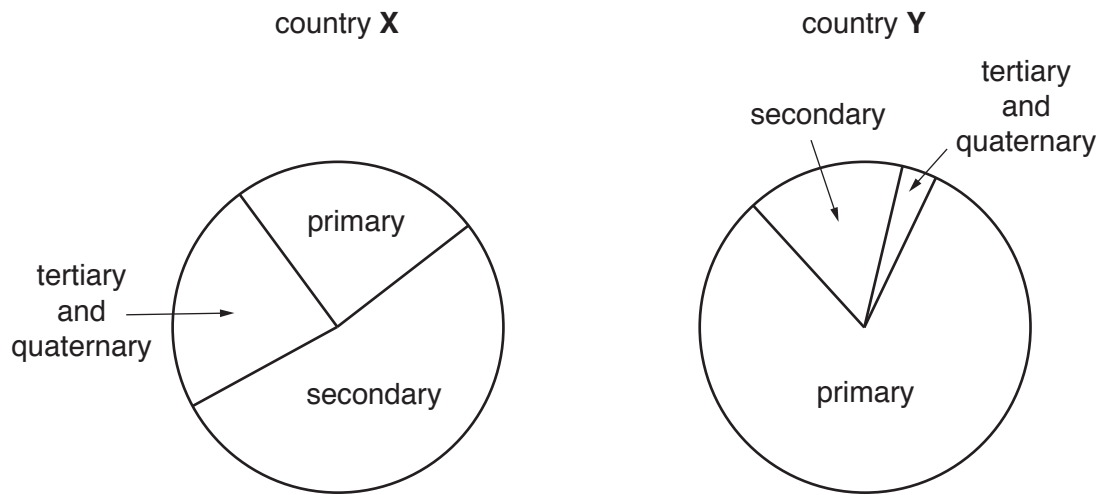


Fig. 9

Country X stage

Country Y stage

[2]

[Total: 8 marks]

- 6 (a) Table 1 gives information about the number of under-nourished people in the world.

Table 1

	1990–1992 (millions)	2012–2014 (millions)
World	1014	805
MEDCs	20	15
LEDCs	994	790
Africa	182	226
Asia	742	525
Latin America & Caribbean	68	37

- (i) Using Table 1, describe how the number of under-nourished people in MEDCs and LEDCs has changed.

.....

 [2]

- (ii) 'Food shortages are spread evenly across the world.'

To what extent do you agree? Give evidence from Table 1 to support your answer.

.....

 [2]

(b) Study Photograph C (Insert), which shows an agricultural area.

- (i) Which **two** of the following terms describe the farming system shown in Photograph C? Tick **two** boxes.

	Tick (✓)
subsistence	
arable	
pastoral	
mixed	
intensive	

[2]

- (ii) Suggest how food production could be increased in the area shown in Photograph C.

.....

.....

.....

.....

.....

.....[2]

[Total: 8 marks]

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