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CENTRE NUMBER						CANDIDATE NUMBER				

6090243401

GEOGRAPHY **0460/22**

Paper 2 Geographical Skills **May/June 2023**

1 hour 30 minutes

You must answer on the question paper.

You will need: Insert (enclosed)
1:25 000 survey map (enclosed)
Calculator
Plain paper
Protractor
Ruler

INSTRUCTIONS

- Answer **all** questions.
- Use a black or dark blue pen. You may use an HB pencil for any diagrams or graphs.
- Write your name, centre number and candidate number in the boxes at the top of the page.
- Write your answer to each question in the space provided.
- Do **not** use an erasable pen or correction fluid.
- Do **not** write on any bar codes.
- If additional space is needed, you should use the lined pages at the end of this booklet; the question number or numbers must be clearly shown.

INFORMATION

- The total mark for this paper is 60.
- The number of marks for each question or part question is shown in brackets [ ].
- The insert contains additional resources referred to in the questions.

This document has **16** pages. Any blank pages are indicated.

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1 Study the map extract for West Kilbride, Scotland. The scale is 1:25 000.

(a) Fig. 1.1 shows some of the features in West Kilbride. Study Fig. 1.1 and the map extract and answer the questions.

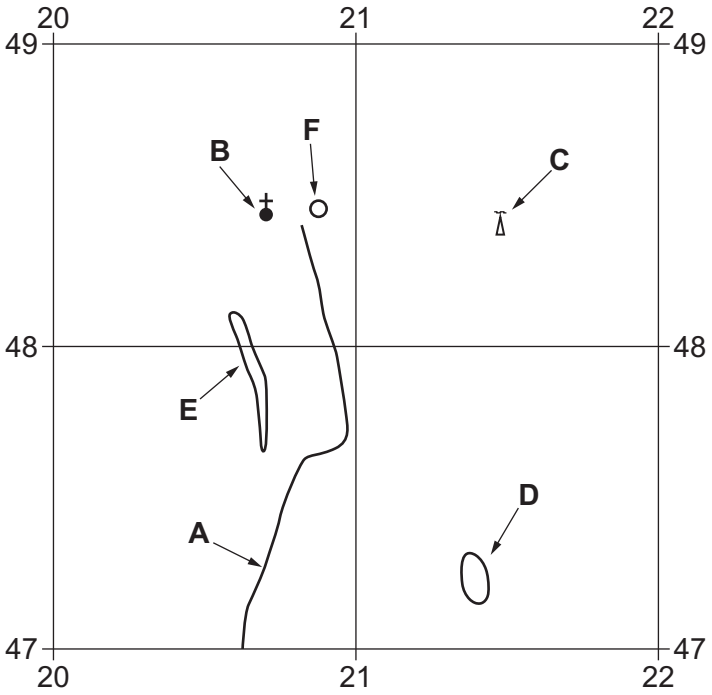


Fig. 1.1

Using the map extract, identify the features shown in Fig. 1.1:

(i) the type of road at **A**

..... [1]

(ii) feature **B**

..... [1]

(iii) feature **C**

..... [1]

(iv) the height above sea level of the contour at **D**

..... metres [1]

(v) the land use at **E**.

..... [1]

(b) Study the railway line which runs north to south from the railway station at **F** shown on the map extract.

(i) Give the six-figure grid reference of the railway station at **F** shown on Fig. 1.1.

..... [1]

(ii) What is the distance along the railway line from the railway station at **F** to the southern edge of the map extract?

.....km [1]

(c) Fig. 1.2 is a cross-section along northing 495 from 170495 to 200495.

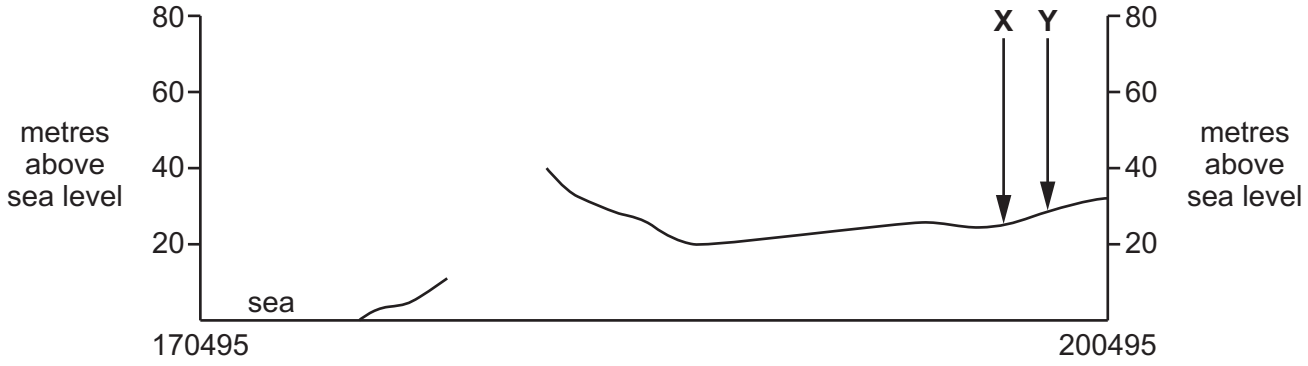


Fig. 1.2

(i) Identify the feature at **X**.

..... [1]

(ii) Identify the feature at **Y**.

..... [1]

(iii) The cross-section shown in Fig. 1.2 is incomplete. Using information from the map extract, draw a line on Fig. 1.2 to **complete the cross-section**. [1]

(d) Look at the coastline on the western side of the map extract.

(i) Identify **four** tourist attractions along the coastline.

1 .....

2 .....

3 .....

4 ..... [4]

(ii) Describe the physical (natural) features of the coastline shown on the map extract.

.....

.....

.....

.....

.....

..... [3]

(e) Describe how relief has affected the route of the railway line.

.....

.....

.....

.....

.....

..... [3]

[Total: 20]

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2 **(a)** Study Fig. 2.1, which shows the global carbon emissions by region for 2020.

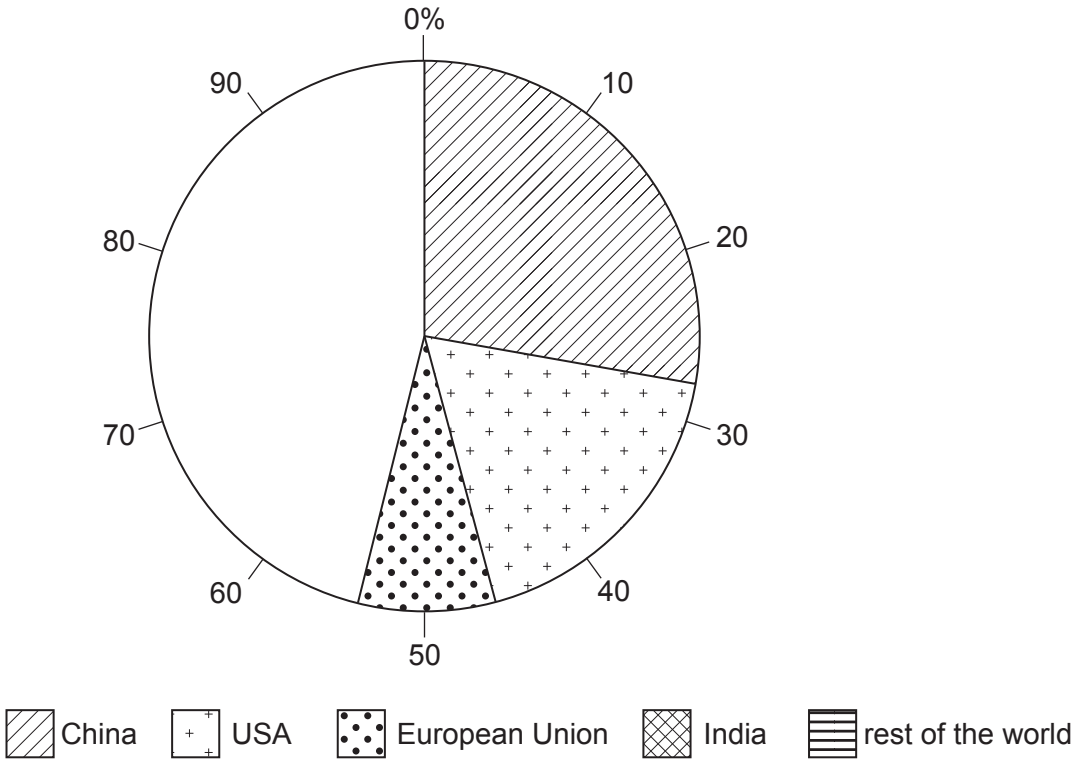


Fig. 2.1

(i) What percentage of the world's carbon emissions was produced by China?

.....% [1]

(ii) **Complete Fig. 2.1** using the statistics below:

India 7%
Rest of the world 39%

[2]

(b) Study Fig. 2.2, which shows annual carbon emissions in China, USA and India from 1960 to 2015.

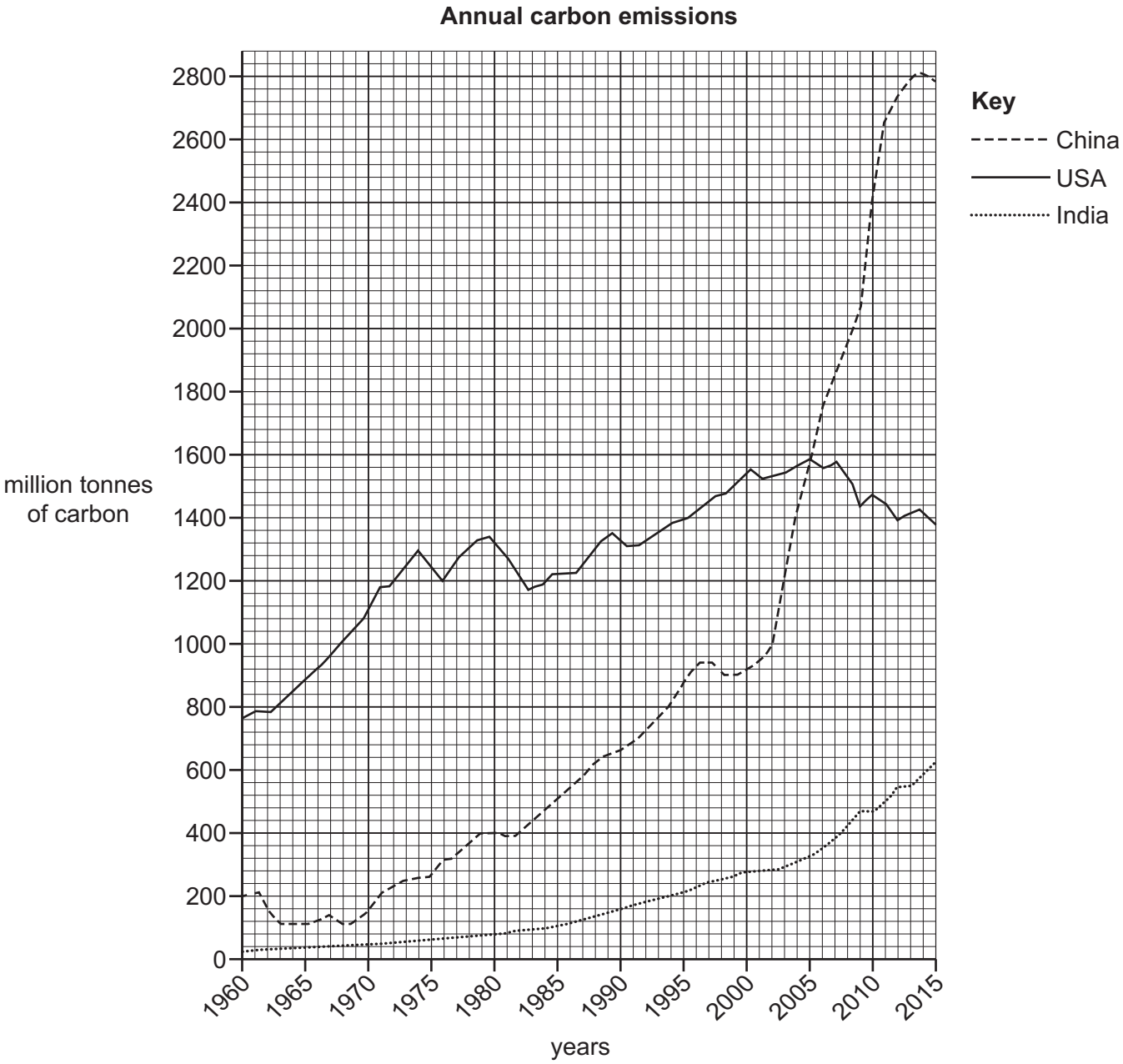


Fig. 2.2

Compare the trends in the annual emissions for all three countries. Do **not** use statistics in your answer.

.....

.....

.....

.....

.....

..... [3]

(c) Suggest **two** reasons why an LEDC such as India will have lower carbon emissions per person than an MEDC such as the USA.

1 .....

.....

2 .....

..... [2]

[Total: 8]

3 Fig. 3.1 (Insert), is an aerial view of a river port in Germany.

(a) Describe how the land is being used in the river port.

.....

.....

.....

.....

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.....

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.....

.....

..... [5]

(b) Using evidence from Fig. 3.1 (Insert), suggest why this river port is a good location for manufacturing industry.

.....

.....

.....

.....

.....

..... [3]

[Total: 8]

4 **(a)** Study Fig. 4.1 (Insert), which shows the temperature and rainfall of an area of equatorial climate.

(i) Which month has the lowest rainfall?

..... [1]

(ii) Which months have the highest temperature?

..... [1]

(iii) Estimate the total annual rainfall amount. (Circle) the correct answer below.

750 mm 1750 mm 2145 mm 3000 mm [1]

(b) The equatorial climate is described as having little seasonal variation. Using evidence from Fig. 4.1 (Insert), state to what extent this is true for temperature and rainfall.

.....

.....

.....

.....

.....

.....

.....

..... [4]

(c) Give **one** reason why there is high rainfall in equatorial regions.

.....

..... [1]

[Total: 8]

5 **(a)** Table 5.1 shows the HDI indicators for three countries in 2020.

Table 5.1

country	life expectancy at birth (years)	expected years of schooling	GNI per capita ($US)
Madagascar	69	10.2	470
United Arab Emirates	79	14.3	39410
Netherlands	83	18.5	51070

(i) What does HDI mean?

H ..... D ..... I ..... [1]

(ii) Using evidence from Table 5.1, state which country is the most developed and explain your reasoning below. Do **not** use statistics in your answer.

Country chosen .....

.....

.....

.....

.....

.....

.....

.....

..... [4]

(b) Suggest why life expectancy in an LEDC is lower than in an MEDC.

.....

.....

.....

.....

.....

..... [3]

[Total: 8]

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6 Fig. 6.1 (Insert) is a photograph which shows a rural area in Bali, Indonesia.

(a) Describe how the land has been used in Fig. 6.1.

.....

.....

.....

.....

.....

.....

.....

.....

.....

..... [5]

(b) Suggest ways in which the government can help to increase the agricultural output.

.....

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..... [3]

[Total: 8]

Additional pages

If you use the following pages to complete the answer to any question, the question number must be clearly shown.

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