Oxford Cambridge and RSA

Thursday 12 June 2025 – Morning

GCSE (9–1) Geography B (Geography for Enquiring Minds)

J384/03 Geographical Exploration

Time allowed: 1 hour 30 minutes

You must have:
- the Resource Booklet (inside this document)

You can use:
- a ruler (cm/mm)
- a scientific or graphical calculator

Please write clearly in black ink. **Do not write in the barcodes.**

Centre number | | | | | | Candidate number | | | | |

First name(s) _____

Last name _____

INSTRUCTIONS
- Use black ink. You can use an HB pencil, but only for graphs and diagrams.
- Write your answer to each question in the space provided. If you need extra space use the lined pages at the end of this booklet. The question numbers must be clearly shown.
- Answer **all** the questions.

INFORMATION
- The total mark for this paper is **60**.
- The marks for each question are shown in brackets **[ ]**.
- Quality of extended response will be assessed in questions marked with an asterisk (*****).
- Spelling, punctuation and grammar (SPaG) and the use of specialist terminology will be assessed in questions marked with a pencil (✎).
- This document has **12** pages.

ADVICE
- Read each question carefully before you start your answer.

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1

(a) Look at **Fig. 1** in the Resource Booklet.

(i) What **approximate** fraction of water lost from Southern Water's Network came from Portsmouth Water?

A 1/25

B 1/10

C 1/4

D 1/2

Write the correct letter in the box. ☐ **[1]**

(ii) State the reasons **why** Southern Water introduced a hosepipe ban in August 2022.

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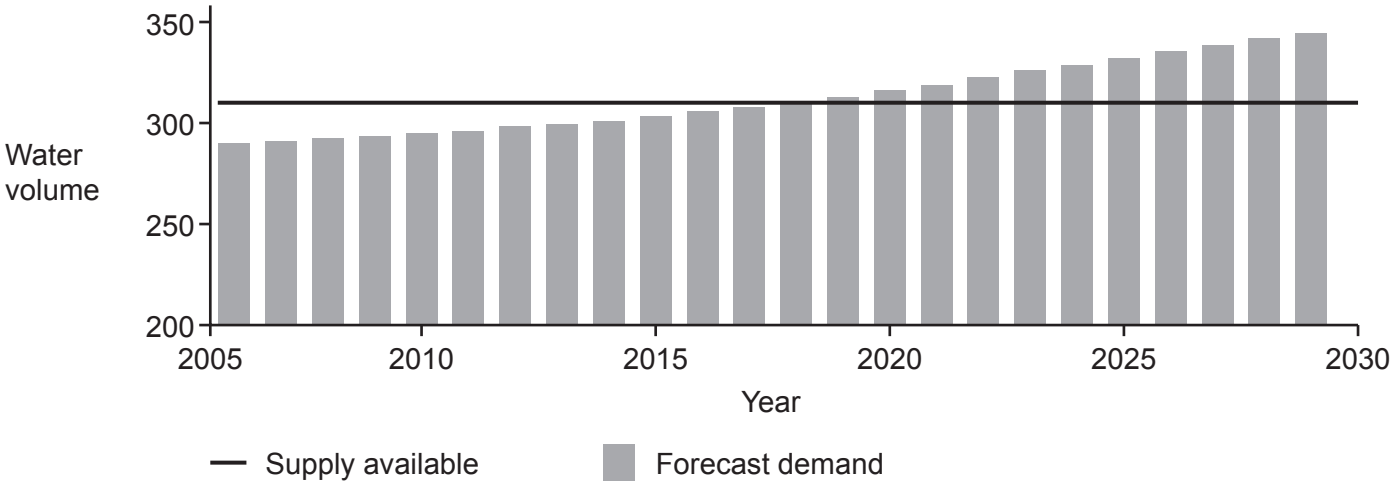
..... **[2]**

(b) Look at the graph below showing water supply and demand for the years 2005–2030 for Portsmouth Water.



(i) Identify the year forecast demand first **exceeded** the supply available.

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

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(ii) Explain **why** the Portsmouth area may be classed as being in ‘water stress’.

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

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2

(a) Look at **Fig. 2a** and **Fig. 2b** in the Resource Booklet.

(i) Describe the location of the Havant Thicket reservoir.

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

(ii) Suggest the possible **disadvantages** of building this reservoir.

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..... **[3]**

(b) Look at **Fig. 3** in the Resource Booklet.

(i) Calculate the distance across the reservoir between points **X** and **Y**.

..... metres **[1]**

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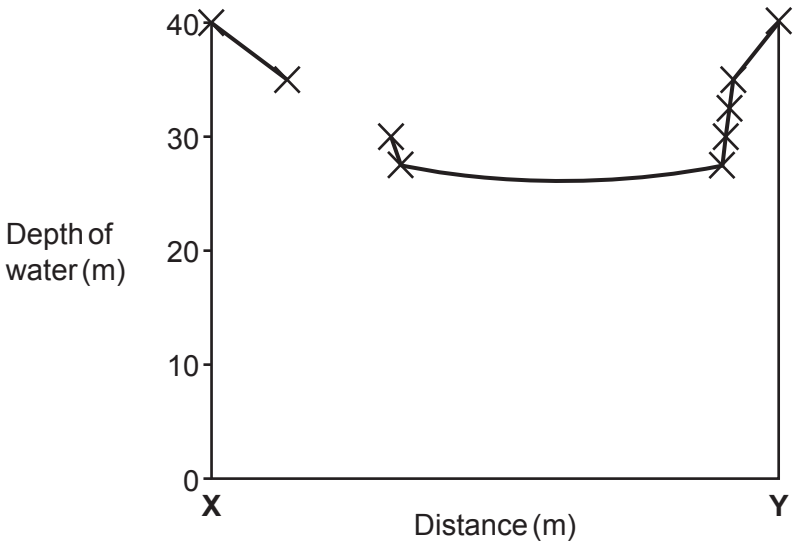
(ii) Use the data below collected between points **X** and **Y** to complete the cross-section by plotting the **300 m** depth to show the shape of the reservoir basin. **[2]**

	X									**Y**
Distance (m)	**0**	**200**	**300**	**475**	**500**	**1350**	**1360**	**1370**	**1380**	**Y**
Depth of water (m)	40	35	32.5	30	27.5	27.5	30	32.5	35	40



Scale: 0.5 cm = 100 m

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(c) Look at **Fig. 3** and **Fig. 4** in the Resource Booklet.

(i) Using **Fig. 3**, **Fig. 4**, and your own understanding, outline, with the use of examples, how the Havant Thicket reservoir development has been designed to cater for a wide variety of people.

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..... **[4]**

Look at **Fig. 5** in the Resource Booklet.

The development of the Havant Thicket reservoir will provide employment during construction. Upon completion there will also be jobs in the management of the reservoir site and the visitor centre. The development of the reservoir could also increase local property prices.

(ii) Assess the **economic** impact of this development.

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..... **[6]**

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Look at **Fig. 4** and **Fig. 5** in the Resource Booklet.

(d)* Using **Fig. 4** and **Fig. 5**, and your own understanding; other than economic benefits to the area, to what extent is the new Havant Thicket reservoir viewed as a **positive** development?

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3 Look at **Fig. 6** in the Resource Booklet.

(a)
(i) Calculate what **percentage** of the world's true chalk streams are in England.

..... % **[1]**

(ii) Identify why chalk streams are **ecologically** important.

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

(b) Assess how the Havant Thicket reservoir will help to **protect** the local chalk streams.

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..... **[6]**

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4* Using all the information available in the Resource Booklet and your own understanding:

1. To what extent are water supply issues in this area caused by physical rather than human factors?

2. Suggest how successful the development of the Havant Thicket reservoir will be in contributing to environmental sustainability in the area.

..... **[12]**

✎ Spelling, punctuation and grammar **[3]**

END OF QUESTION PAPER

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EXTRA ANSWER SPACE

If you need extra space use these lined pages. You must write the question numbers clearly in the margin.

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