

Centre Number						Candidate Number				
Surname										
Other Names										
Candidate Signature										

For Examiner's Use	
Examiner's Initials	
Question	Mark
1	
2	
TOTAL	



General Certificate of Education
Advanced Subsidiary Examination
June 2015

Geography

GEOG2

Unit 2 Geographical Skills

Friday 15 May 2015 1.30 pm to 2.30 pm

For this paper you must have:

The Ordnance Survey map extract (enclosed)

- a pencil
- a rubber
- a ruler
- a protractor
- compasses.

You may use a calculator.

Time allowed

- 1 hour

Instructions

- Use black ink or black ball-point pen. Use pencil only for drawing.
- Fill in the boxes at the top of this page.
- Answer **all** questions.
- You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
- Do all rough work in this book. Cross through any work you do not want to be marked.

Information

- The maximum mark for this paper is 50.
- The marks for questions are shown in brackets.
- You will be marked on your ability to:
 - use good English
 - organise information clearly
 - use specialist vocabulary where appropriate.

Advice

- Where appropriate, credit will be given for the use of diagrams to illustrate answers and where reference is made to your personal investigative work. You are advised to allocate your time carefully.



J U N 1 5 G E O G 2 0 1

H/IB/109470/Jun15/E5

GEOG2

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ANSWER IN THE SPACES PROVIDED**



Answer **all** questions in the spaces provided.

1 (a)

Study **Figure 1**, on the insert, a 1:50 000 Ordnance Survey map extract of Shrewsbury.

Compare the settlement areas of Bomere Heath (4719) and Belle Vue (4911).

[5 marks]

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- 1 (b) (i)** House price variation between 2009 and 2012 in Bomere Heath and Belle Vue is being investigated. A standard deviation calculation for Bomere Heath house prices has been started in **Figure 2**.

Complete **Figure 2**, and use the formula given to complete the standard deviation calculation. Give the answer to 2 decimal places.

[6 marks]

Figure 2

Road	Average house price in £ thousands (x)	$x - \bar{x}$	$(x - \bar{x})^2$
Back Lane	287	38.25	1463.06
Pool Meadow Close	365	116.25	13514.06
The Common	154	-94.75	8977.56
Pump Road	154	-94.75	8977.56
Bow Way	153	-95.75	9168.06
Fitz	496	247.25	61132.56
Preston Gubbals Road	176	-72.75	5292.56
Windsor Lane	207	-41.75	
Merrington Road	275	26.25	689.06
Green Lane	250		
Yew Tree Bank	225	-23.75	564.06
Cornfield Close	243	-5.75	33.06
$\Sigma x = 2985$			$\Sigma(x - \bar{x})^2 = 111556.22$
$\bar{x} =$			

Standard
deviation
formula

$$\sigma = \sqrt{\frac{\Sigma(x - \bar{x})^2}{n}}$$

Key

σ = Standard deviation

x = Individual value

\bar{x} = Mean

n = Number in the sample

Σ = Sum of

Complete the standard deviation calculation in the space below, showing your working.



Using **Figure 3** and the relevant information from **1 (b) (i)**, compare and comment on house price variation between Bomere Heath and Belle Vue.

Mean (£ thousands)	Range (£ thousands)	Standard deviation (£ thousands)
153.83	186	60.97

This image shows a full page of white paper with ten horizontal dashed lines, typical of primary school handwriting practice paper. The lines are evenly spaced and extend across the entire width of the page. There is no text or other markings on the paper.

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- 1 (c) (i) **Figure 4a** is a desire line map of part of England and Wales showing the journeys to work for 100 residents of Bomere Heath. **Figure 4b** shows the journeys to work for 100 residents of Belle Vue.

Add the following data to **Figures 4a** and **4b**.

Figure	Journey to work	Number of workers
4a	Shrewsbury (Bomere Heath) to Stafford	4
4b	Shrewsbury (Belle Vue) to Manchester	2

[2 marks]

Figure 4a



Figure 4b



Question 1 continues on the next page

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1 (c) (ii) Describe and comment on the patterns now shown in **Figures 4a** and **4b**.

[6 marks]

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- 2** You have experienced geography fieldwork as part of the course. Use this experience to answer the following questions.

State the aim(s) of your fieldwork.

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- 2 (a)** Describe the advantages of your fieldwork location.

[5 marks]

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2 (b)Describe and justify **one** method of primary data collection used in your fieldwork.**[8 marks]**

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- 2 (c)** With reference to examples from your fieldwork, distinguish between qualitative and quantitative data.

[4 marks]

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- 2 (d)** Describe how you used **one** technique to analyse your data and outline the advantages of this technique.

[8 marks]

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END OF QUESTIONS

25

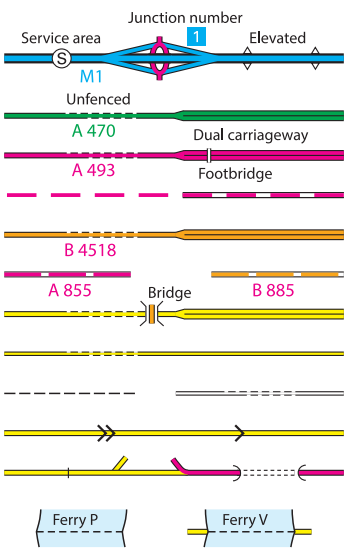
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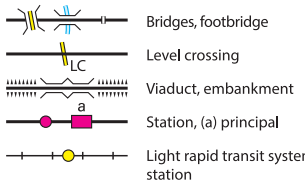
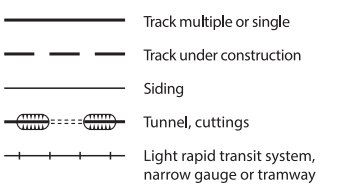
ROADS AND PATHS



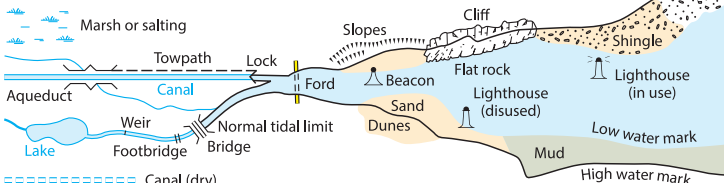
Not necessarily rights of way

Motorway (dual carriageway)
Primary Route (recommended through route)
Main road
Road under construction
Secondary road
Narrow road with passing places
Road generally more than 4m wide
Road generally less than 4m wide
Path / Other road, drive or track
Gradient: steeper than 20% (1 in 5),
14% to 20% (1 in 7 to 1 in 5)
Gates, Road tunnel
Ferry (passenger), Ferry (vehicle)

RAILWAYS

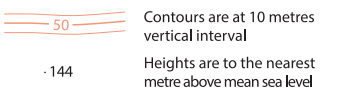


WATER FEATURES



HEIGHTS

1 metre = 3.2808 feet



Where two heights are shown the first height is to the base of the triangulation pillar and the second (in brackets) to the highest natural point of the hill

PUBLIC RIGHTS OF WAY

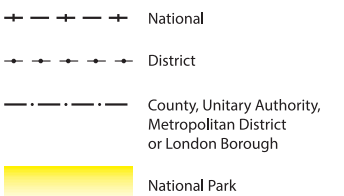


The symbols show the defined route so far as the scale of mapping will allow.
The representation on this map of any other road, track or path is no evidence of the existence of a right of way. Not shown on maps of Scotland

Danger Area

Firing and Test Ranges in the area. Danger! Observe warning notices.

BOUNDARIES

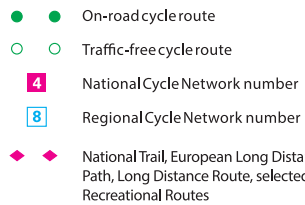


ROCK FEATURES



OTHER PUBLIC ACCESS

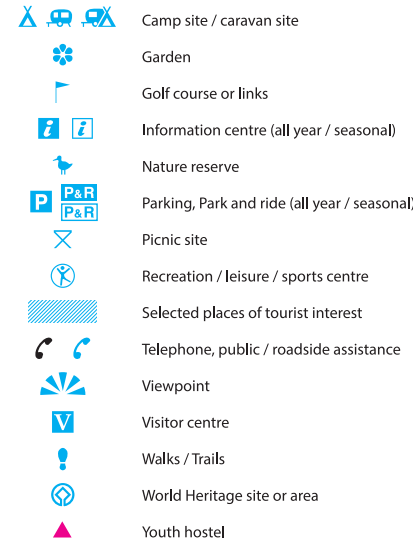
Other route with public access (not normally shown in urban areas). Alignments are based on the best information available. These routes are not shown on maps of Scotland.



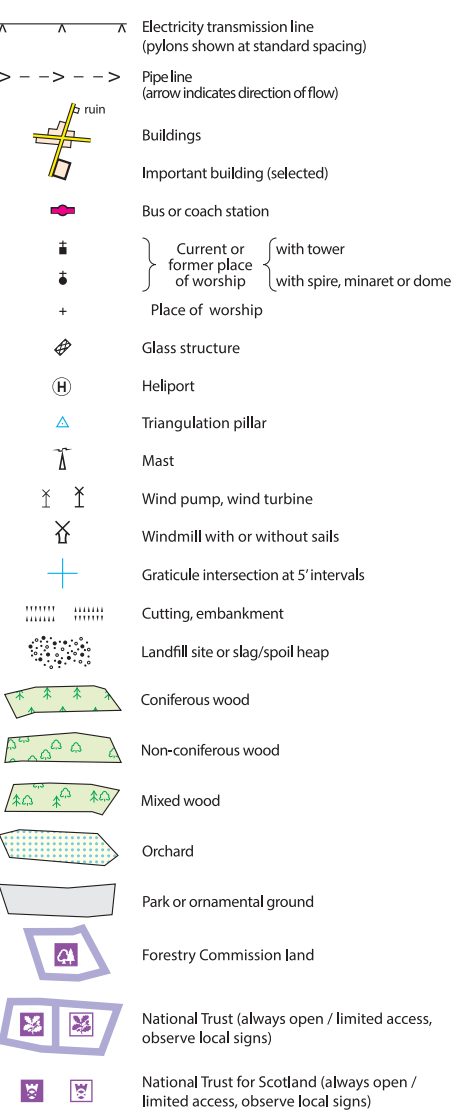
ANTIQUITIES



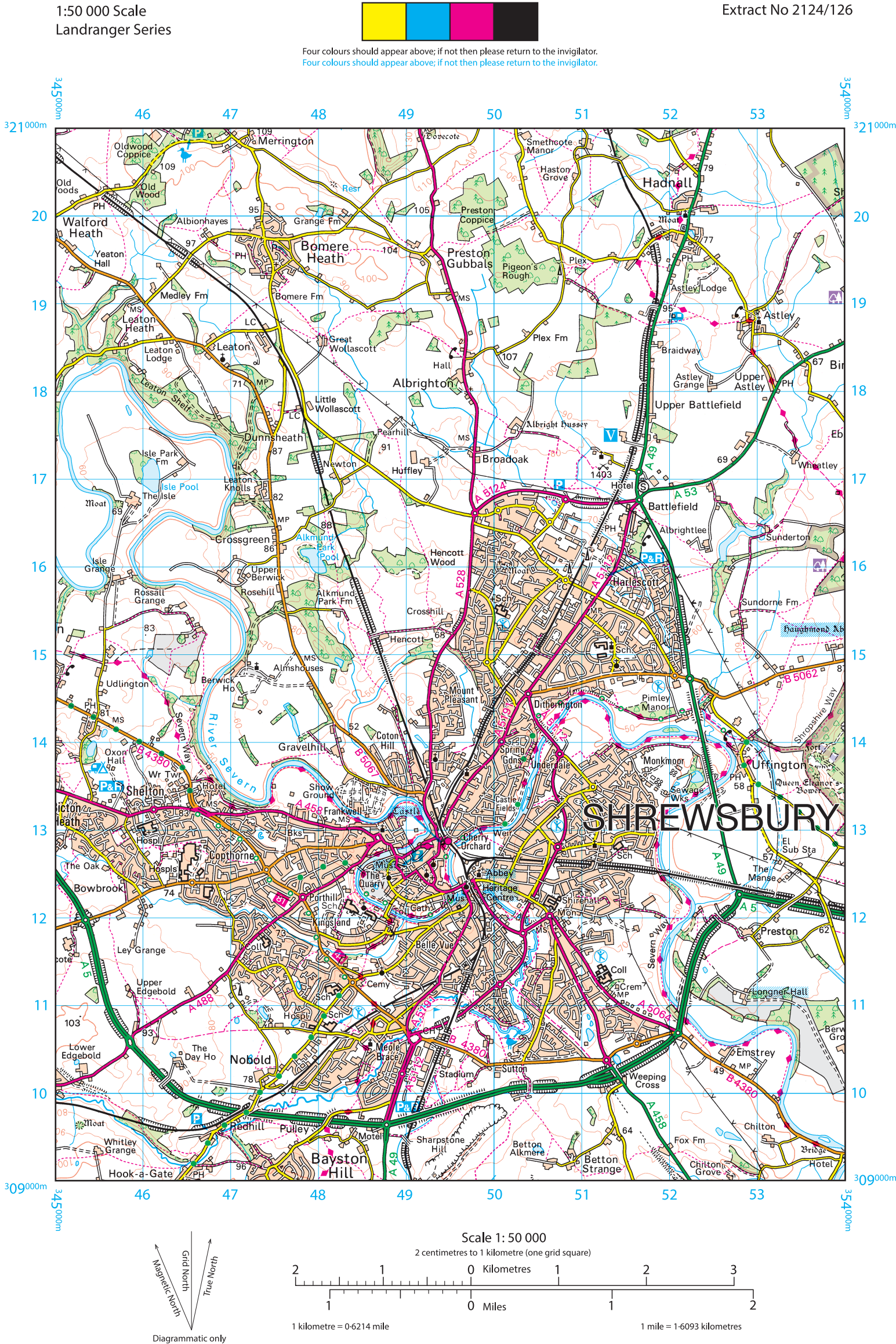
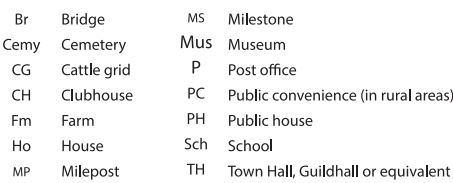
TOURIST INFORMATION



LAND FEATURES



ABBREVIATIONS



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Four colours should appear above; if not then please return to the invigilator.