

Surname	Centre Number	Candidate Number
Other Names		0

**GCSE**

4232/02



S17-4232-02

GEOGRAPHY
(Specification A)
HIGHER TIER
UNIT 2: Options Geography

TUESDAY, 6 JUNE 2017 – AFTERNOON

1 hour 15 minutes

For Examiner's use only						
	Theme	Max Mark	Mark /20	SPaG	SPaG mark/4	Total /24
Section A	7.	20		4		
	8.	20		4		
	9.	20		4		
Section B	10.	20		4		
	11.	20		4		
	12.	20		4		
					Overall Total	72

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020001**INSTRUCTIONS TO CANDIDATES**

Use black ink or black ball-point pen.

Write your name, centre number and candidate number in the spaces at the top of this page.

Answer **one** question from Section A, **one** from Section B and **one other**.

Answer **no more** than **three** questions.

Write your answers in the spaces provided in this booklet. Where the space is not sufficient for your answer, continue the answer at the back of the booklet, taking care to number the continuation correctly.

INFORMATION FOR CANDIDATES

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

You are reminded that assessment will take into account the quality of written communication used in your answers that involve extended writing.

In addition, your ability to spell, punctuate and use grammar accurately will be assessed in your answer to the last sub-question of each theme.

SECTION A – PHYSICAL OPTIONS

Answer at least one question from this section, but no more than two.

Theme 7 – Our Changing Coastline

1. (a) Study the OS map. It shows a spit on the south coast of England.

OS map at a scale of 1:50,000. A full key appears on page 32.



- (i) Describe the location of Hurst Castle.

[2]

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- (ii) Annotate the photograph below to explain the processes that have formed Hurst Castle spit. [4]

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(b) Read the news report about erosion of Hurst Castle.

Coastal landmark faces new enemy of erosion



Huge waves are damaging part of the castle sparking fears that public access could be restricted. The pattern of coastal erosion has changed dramatically and shingle separating the waves from the castle is being eroded away.

Describe how different landforms and processes may affect people living along this coastline. Use information from these resources and your own knowledge to support your answer. [6]

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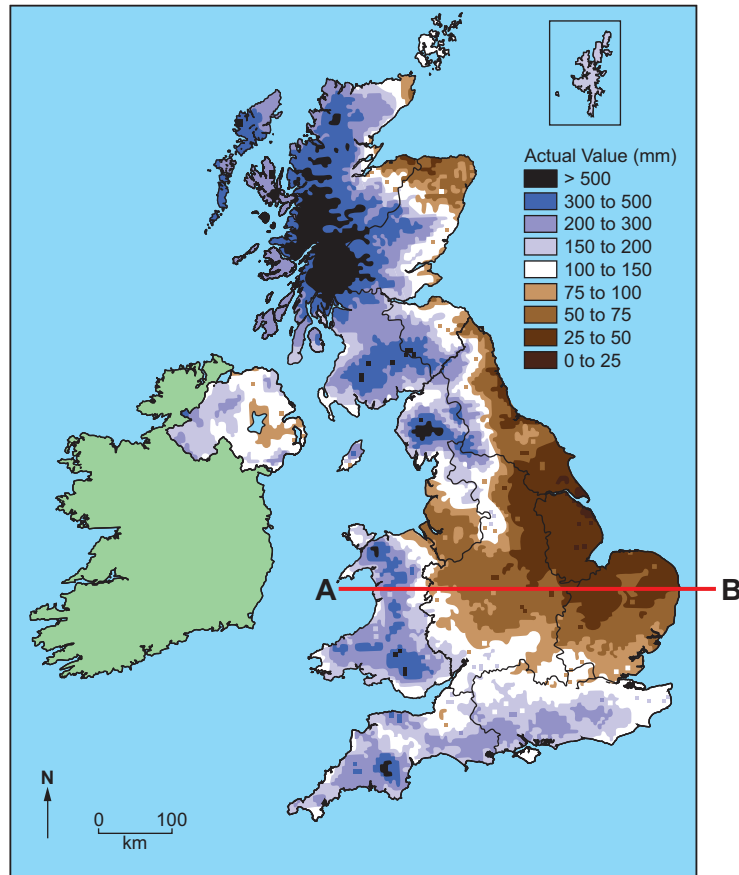
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Theme 8 – Weather and Climate

2. (a) Study the map below. It shows the amount of rainfall experienced in the UK in December 2013.



- (i) Describe the pattern of rainfall from west to east along the transect line A–B. [2]

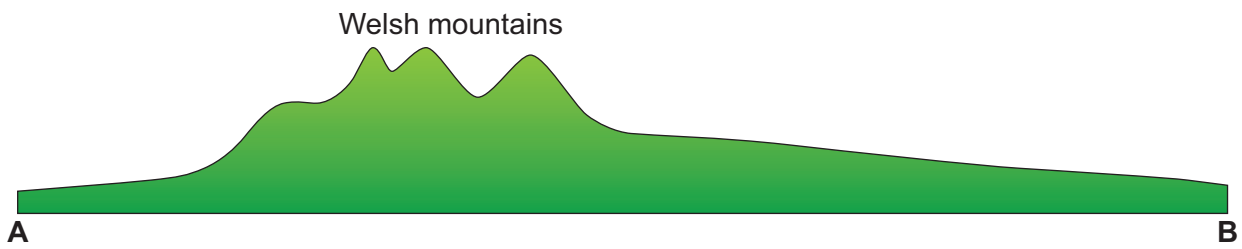
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- (ii) Annotate the cross-section below to explain why the amount of rainfall changes along the transect line A–B in the UK. [4]



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(b) Read the news article below. It is about a period of UK weather in April 2012.

Britain braced for snow as Arctic air mass moves in

Snow is set to fall across high ground in Scotland and the north of England in the next week. Temperatures could fall, perhaps down to -5°C on Sunday night. Following the unusually warm weather of the past few weeks the cold weather will be a shock to the system for most.

Explain why different air masses bring variations in weather to the UK. Use information from the resource and your own knowledge to support your answer. [6]

You must add to the map below to support your answer.



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(c) Explain why high pressure systems can become a weather hazard for people in the UK at different times of the year. [8+4]

Use examples of named place(s) to support your answer.

Marks for spelling, punctuation and the accurate use of grammar are allocated to this question.

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8	4

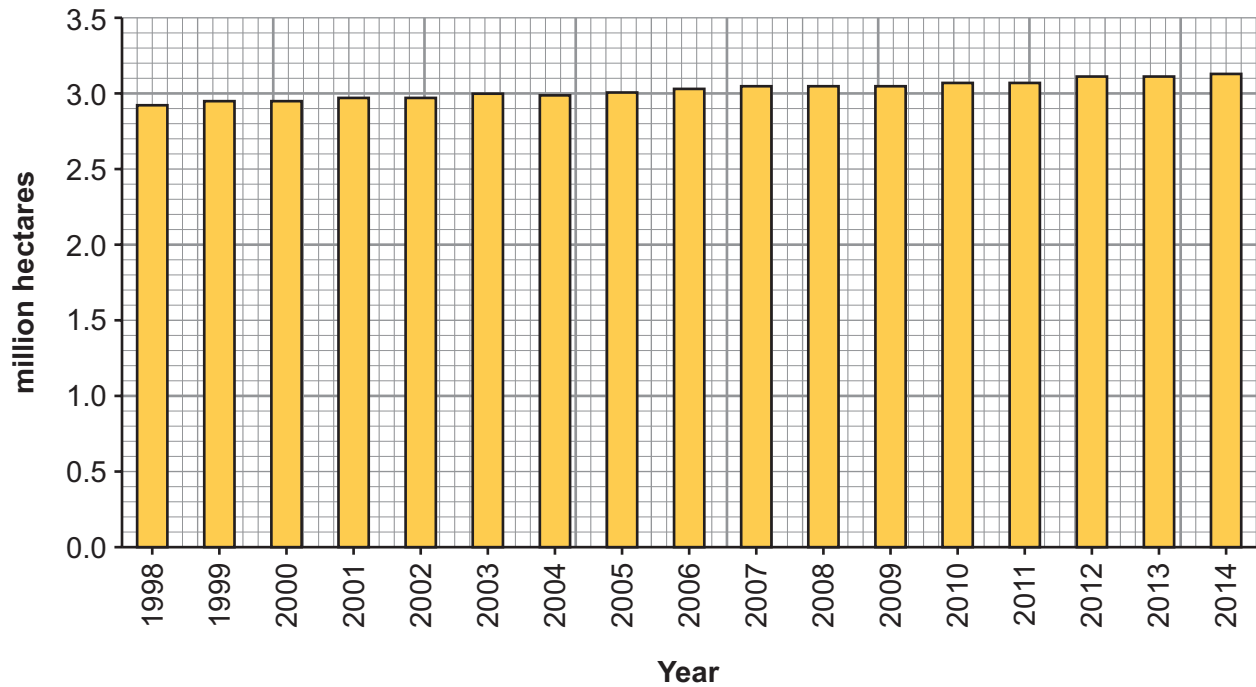
Dotted lines for writing the answer.

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End of Theme 8 question

Theme 9 – Living Things

3. (a) Study the graph below. It shows changes in the amount of forests covering the UK.



- (i) Describe the trend shown between 1998 and 2014.

[2]

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- (ii) Annotate the photograph below to suggest why deforestation has consequences on the local environment. [4]



- (b) Read the information below. It is an extract from a report written in April, 2015 on the destruction of mangrove which is a type of tropical forest.

'Destruction of mangroves a cause for concern'

Thousands of hectares of mangrove forests are being lost every year. Over the past three decades, Indonesia has lost 40 percent of its mangroves. Governments need to organise conservation awareness programmes, especially in coastal villages. Local people need to protect mangroves. Mangroves provide protection during cyclones and tsunamis as well as preventing soil erosion.

Describe the global consequences of unsustainable ecosystem use on people and the environment. Use information from the resource and your own knowledge to support your answer. [6]

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- (c) Describe different ways in which people use **one** ecosystem you have studied. To what extent are the different uses sustainable? Locate this ecosystem on the map below. [8+4]

Marks for spelling, punctuation and the accurate use of grammar are allocated to this question.



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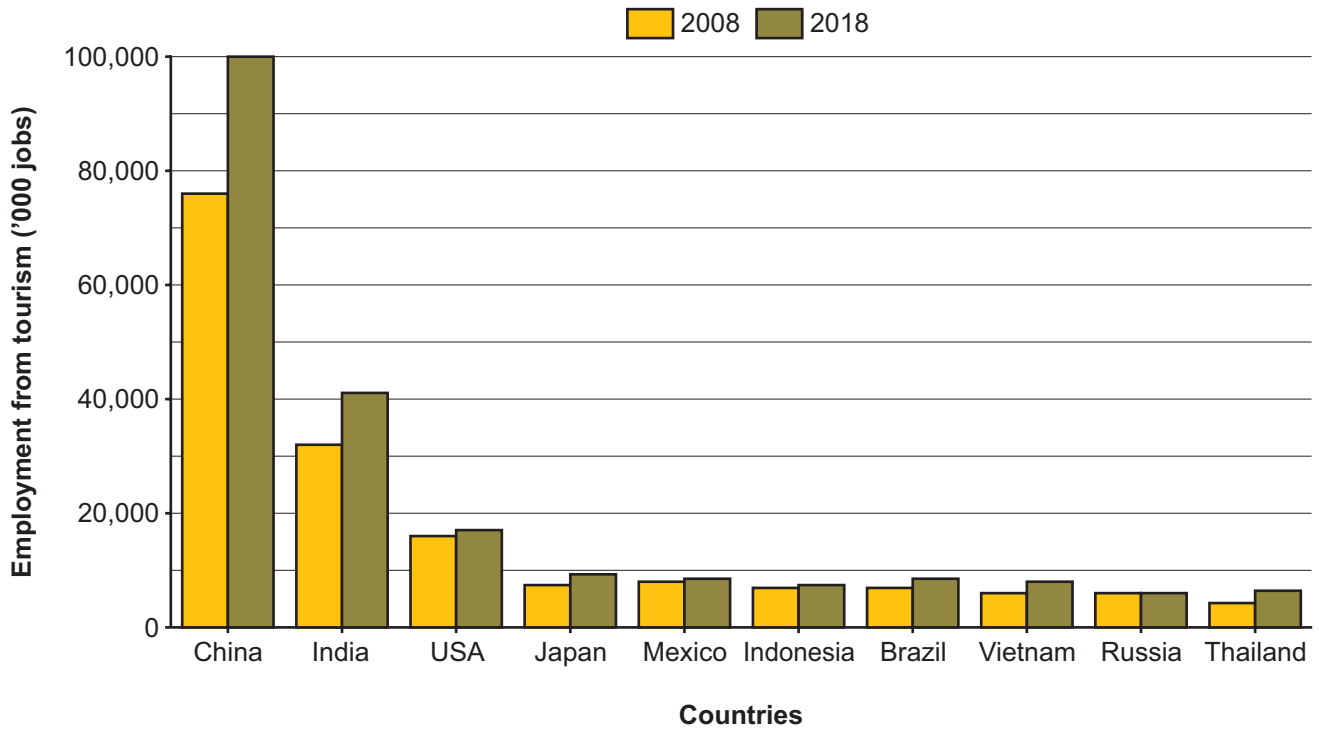
End of Theme 9 question

SECTION B – HUMAN OPTIONS

Answer at least **one** question from this section, but no more than **two**.

Theme 10 – Tourism

4. (a) Study the graph below. It shows changes in the number of people predicted to be employed in tourism between 2008 and 2018.



- (i) Describe the changes in employment between 2008 and 2018. [2]

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- (ii) Annotate the photograph(s) below to suggest why growth in tourism can have an impact on the environment. [4]

early 1960s



today



(b) Read the news article below.

Does ecotourism do more harm than good?

Many ecotourists want to visit small islands with beautiful sandy beaches. The development of tourism brings income and employment to local people. But it has disadvantages too. Tourism uses a lot of water. The building of tourist resorts damages ecosystems and biodiversity.

Describe how ecotourism can be developed in a sustainable way in one named country or region. Use information from the resource and your own knowledge to support your answer. [6]

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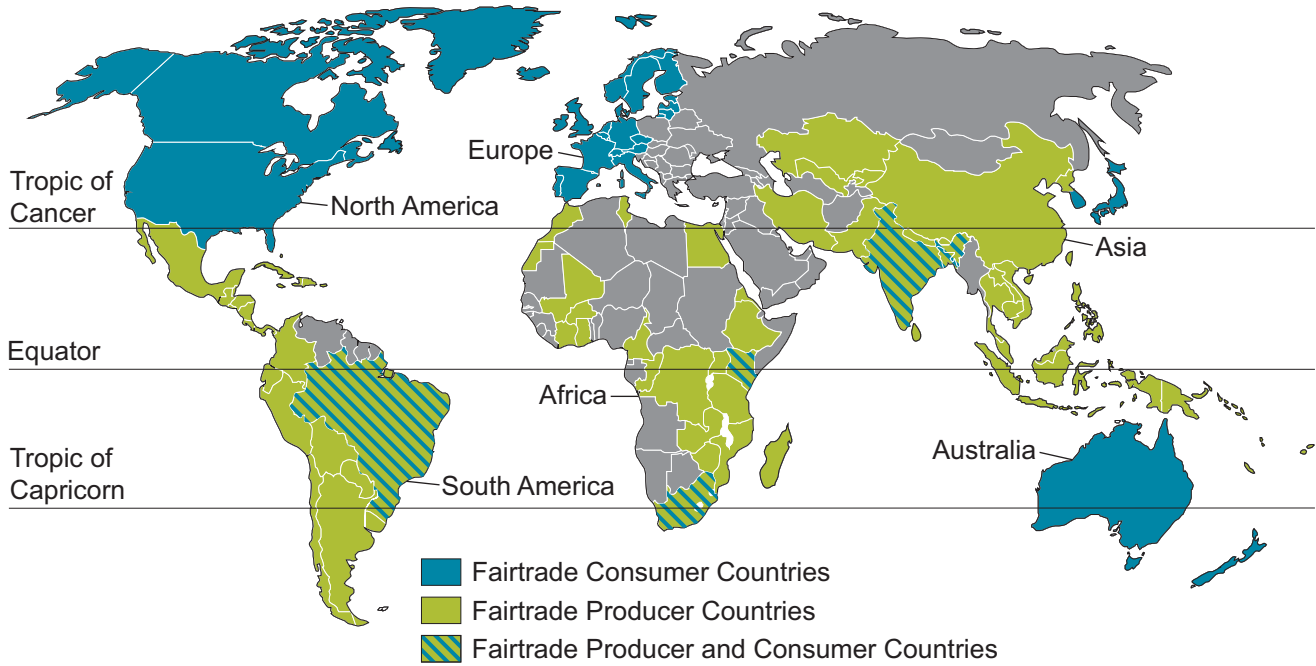
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Theme 11 – Retail and Urban Change

5. (a) The Fairtrade organisation aims to guarantee that farmers get a fair price for their produce. Study the world map below. It shows the locations of countries that produce and consume Fairtrade products.



- (i) Describe the distribution of countries that are **only** Fairtrade Consumers. Use map evidence only. [2]

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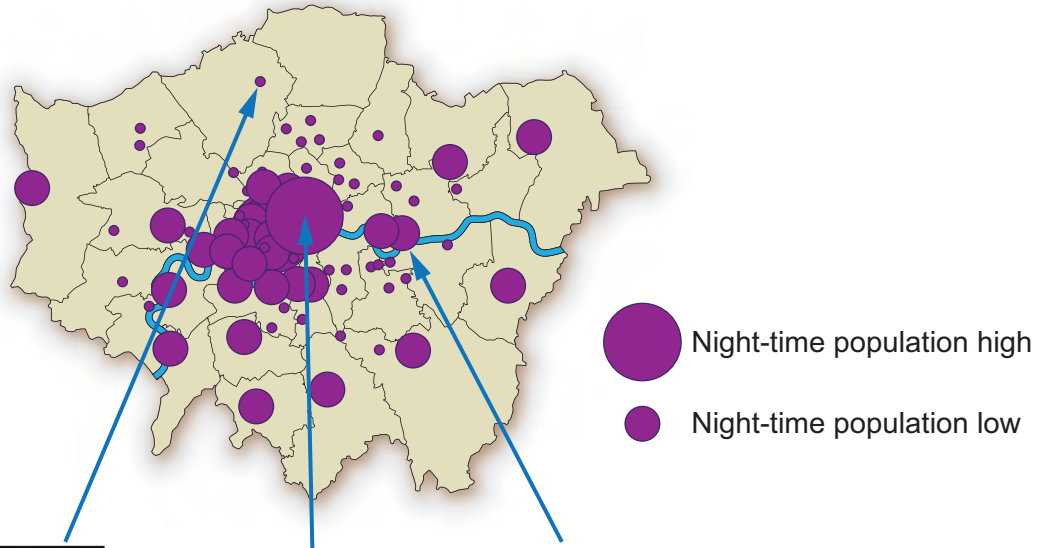
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- (ii) Study the images below. The first shows the extent of a banana plantation and the second shows workers on the farm.

Annotate the photograph(s) to suggest why increasing choice in consumer countries has impacts on people in developing countries. [4]



(b) London has a large number of places that attract people in the night-time. Study the map below. It shows the numbers of people attracted to different places in London at night-time.



Barnet High Street



West End



Greenwich O2 Arena

Suggest reasons for the pattern shown by the map. Use information from the resource and your own knowledge to support your answer. [6]

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Theme 12 – Economic Change and Wales

6. (a) Study the table below. It shows the predicted changes in employment by sector for Wales between 2010 and 2020.

Industry Sector	2010 – 2020
Primary	0.7 %
Secondary	–0.4 %
Construction	1.4 %
Public Sector	–0.1 %

- (i) Describe the pattern of employment change between 2010 and 2020. [2]

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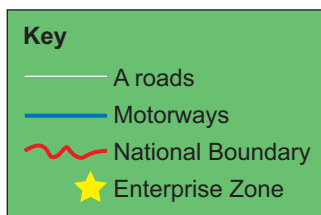
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(ii) Annotate the map of Wales to explain the distribution of **one** primary activity. [4]

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- (c) Enterprise zones have been set up by the Welsh Government to attract new employment to different locations across the country. Study the map below. It shows the locations of Enterprise Zones in Wales.



Describe **one or more** strategies that can be used to affect employment opportunities in Wales. [8+4]

Marks for spelling, punctuation and the accurate use of grammar are allocated to this question.

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End of Theme 12 question

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OS Landranger® (1:50 000 scale)

Map symbols

ROADS AND PATHS

Not necessarily rights of way

- Motorway (dual carriageway)
- Motorway under construction
- Primary Route
- Main road
- Primary Route / Main 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: 20% (1 in 5) and steeper, 14% (1 in 7) to 20% (1 in 5)
- Gates / Road Tunnel
- Ferry (passenger) / Ferry (vehicle)

RAILWAYS

- Track multiple or single
- Track under construction
- Siding
- Tunnel
- Light rapid transit system, narrow gauge or tramway
- Bridges / Footbridge
- Level crossing
- Viaduct
- Station, (a) principal
- Light rapid transit system station

PUBLIC RIGHTS OF WAY

- Footpath
- Bridleway
- Road used as a public path
- Byway open to all traffic

The symbols show the defined route so far as the scale of mapping will allow. Rights of way are not shown on maps of Scotland.

The representation on this map of any other road, track or path is no evidence of the existence of a right of way

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

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.
- National Trail, European Long Distance Route, Long Distance Route, selected Recreational Routes
- National/Regional Cycle Network
- Surfaced cycle route
- National/Regional Cycle Network number

WATER FEATURES

HEIGHTS

1 metre = 3.2808 feet

- Contours are at 10 metres vertical interval
- Heights are to the nearest metre above mean sea level

Heights shown close to a triangulation pillar refer to the ground at the base of the pillar and not necessarily to the summit.

ROCK FEATURES

LAND FEATURES

BOUNDARIES

- National
- District
- County, Unitary Authority, Metropolitan District or London Borough
- National Park

ANTIQUITIES

- Site of monument
- Stonā monument
- Battlefield (with date)
- Visible earthwork
- VILLA Roman
- Non-Roman

TOURIST INFORMATION

- Camp site
- Caravan site
- Garden
- Golf course or links
- Information centre, all year / seasonal
- Nature reserve
- Parking, Park and ride, all year / seasonal
- Picnic site
- Selected places of tourist interest
- Telephone, public / motoring organisation
- Viewpoint
- Visitor centre
- Walks / Trails
- Youth hostel

ABBREVIATIONS

CG Coastguard	P Post office
CH Clubhouse	PC Public convenience (in rural areas)
MP Milepost	PH Public house
MS Milestone	TH Town Hall, Guildhall or equivalent