



National  
Qualifications  
2019

**X833/75/11**

**Geography**

TUESDAY, 28 MAY

1:00 PM – 3:20 PM

**Total marks — 80**

**SECTION 1 — PHYSICAL ENVIRONMENTS — 30 marks**

Attempt **EITHER** Question 1 **OR** Question 2

**THEN** attempt Questions 3 to 7.

**SECTION 2 — HUMAN ENVIRONMENTS — 30 marks**

Attempt **ALL** questions.

**SECTION 3 — GLOBAL ISSUES — 20 marks**

Attempt any **TWO** of the following.

Question 14 — Climate change

Question 15 — Natural regions

Question 16 — Environmental hazards

Question 17 — Trade and globalisation

Question 18 — Tourism

Question 19 — Health

You will receive credit for appropriately labelled sketch maps and diagrams.

Write your answers clearly in the answer booklet provided. In the answer booklet you must clearly identify the question number you are attempting.

Use **blue** or **black** ink.

Before leaving the examination room you must give your answer booklet to the Invigilator; if you do not, you may lose all the marks for this paper.



\* X 8 3 3 7 5 1 1 \*

## SECTION 1 — PHYSICAL ENVIRONMENTS — 30 marks

Attempt EITHER Question 1 OR Question 2

THEN Questions 3 to 7

## Question 1 — Glaciated landscapes/coastal landscapes

- (a) Study the Ordnance Survey map extract (Item A) of the Killin area.

Give map evidence which shows that this is an area of **upland glaciated scenery**.

4

Diagram Q1 Cliffs and stacks



- (b) Look at Diagram Q1.

**Explain** the formation of a **stack**.

You may use a diagram(s) in your answer.

4

Now attempt Questions 3 to 7

Do not attempt Question 2 if you have already answered Question 1

**Question 2 — Rivers and their valleys/upland limestone landscapes**

- (a) Study the Ordnance Survey map extract (Item A) of the Killin area.

Using grid references **describe the physical features** of the River Lochay and its valley between 490369 and 570343.

4

**Diagram Q2 Stalactites and stalagmites**



- (b) Look at Diagram Q2.

**Explain** the formation of a **stalactite**.

You may use a diagram(s) in your answer.

4

**Now attempt Questions 3 to 7**

[Turn over

## Question 3

## Diagram Q3 Holiday homes



Study Diagram Q3 and the Ordnance Survey map extract (Item A) of the Killin Area.

A developer has applied for planning permission to build 10 holiday homes in grid square 5833.

Explain the advantages **and** disadvantages of the grid square for this development.

You must use map evidence in your answer.

4

## Question 4

Study the Ordnance Survey map extract (Item A) of the Killin Area.

Using map evidence, **describe, in detail**, the attractions of the area shown on the map, for visitors. You may refer to both physical and human attractions in your answer.

5

## Question 5

## Diagram Q5 Weather report

northerly wind  
30 knots  
snow showers  
sky obscured

Study Diagram Q5.

Draw a weather station circle to show the weather conditions described above.

4

[Turn over

## Question 6

Diagram Q6A Synoptic chart for 6 am, Sunday 26 February, 2017

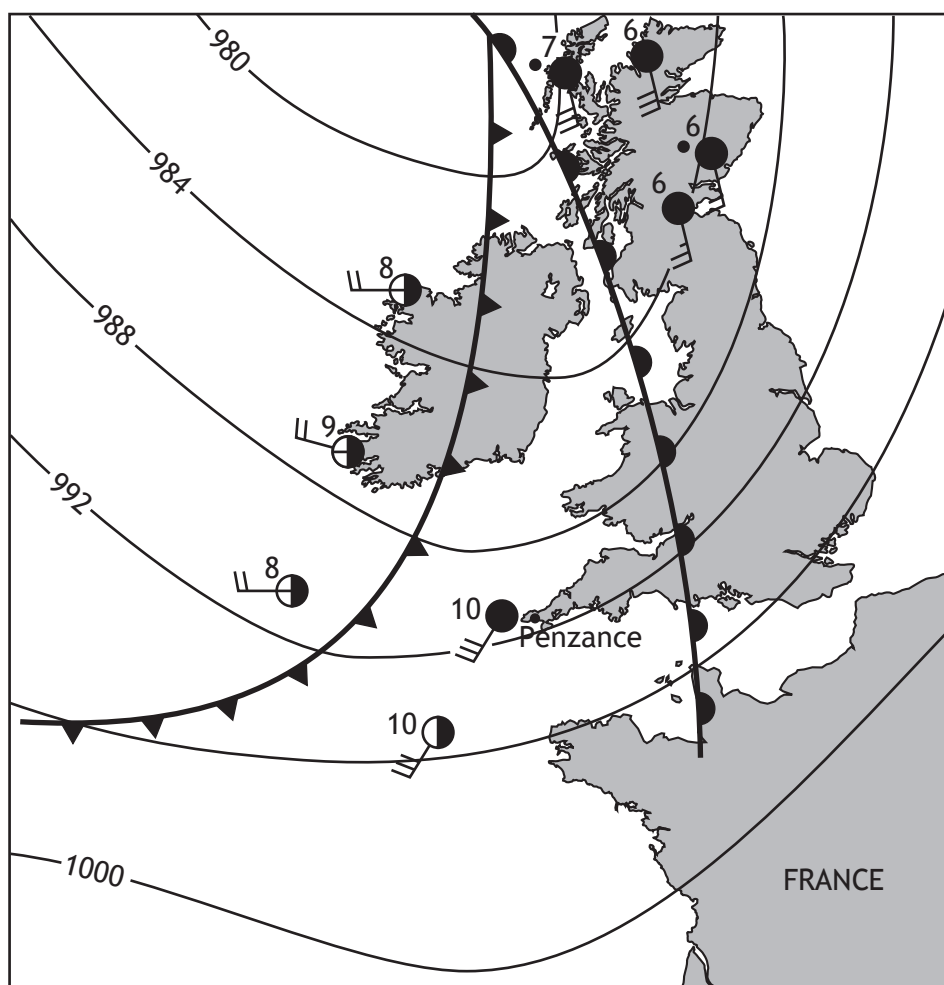


Diagram Q6B Weather forecast for Penzance, Sunday 26 February, 2017

'Sunny intervals will give way to heavy showers. Winds, at first strong, will become lighter and more westerly. Temperatures will drop.'

Study Diagrams Q6A and Q6B.

Using the synoptic chart, **give reasons** for the changes which the weather forecast predicts for Penzance during Sunday 26 February.

## Question 7

Diagram Q7 Wind turbines



Look at Diagram Q7.

Developments such as wind farms can cause land use conflicts.

For a named area you have studied, **explain** why land use conflicts occur there.

5

[Turn over

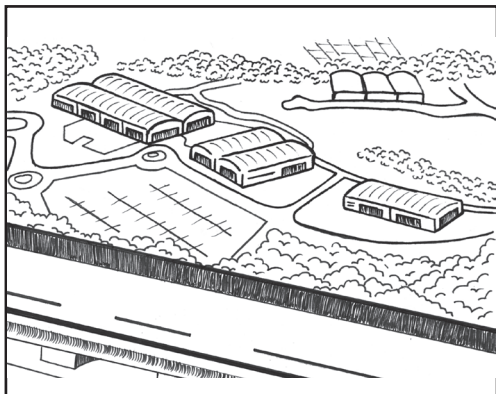
## SECTION 2 — HUMAN ENVIRONMENTS — 30 marks

Attempt ALL questions

## Question 8

Diagram Q8 Sketches of urban land use zones

A



B



C



D



Study the Ordnance Survey map extract (Item B) of the Wolverhampton area, and Diagram Q8 (above).

Match each of the urban land use zones shown in Diagram Q8 with the correct grid references below.

Choose from **9004, 9198, 8796, 9101, 8699.**

**Question 9**

Study the Ordnance Survey map extract (Item B) of the Wolverhampton area.

Find the old industrial area in grid square 9499. This area is being redeveloped.

Using map evidence, **explain** why this area is attractive for industry.

**6****Question 10**

Study the Ordnance Survey map extract (Item B) of the Wolverhampton area.

Using map evidence, **describe** methods which have been used to reduce traffic congestion in and around the centre of Wolverhampton.

You should make use of grid references in your answer.

**4****[Turn over**

## Question 11

Diagram Q11A Slum housing



Diagram Q11B Quote from development charity website

‘By 2030, it is estimated that 1 in 4 people on the planet will live in a shanty town or other informal settlement. Due to population growth and rural-urban migration, these slums are here to stay.’

Look at Diagrams Q11A and Q11B.

Referring to a **developing** world city you have studied, **describe** different ways shanty towns are being improved.

## Question 12

Diagram Q12 Recent developments in UK farming



Look at Diagram Q12

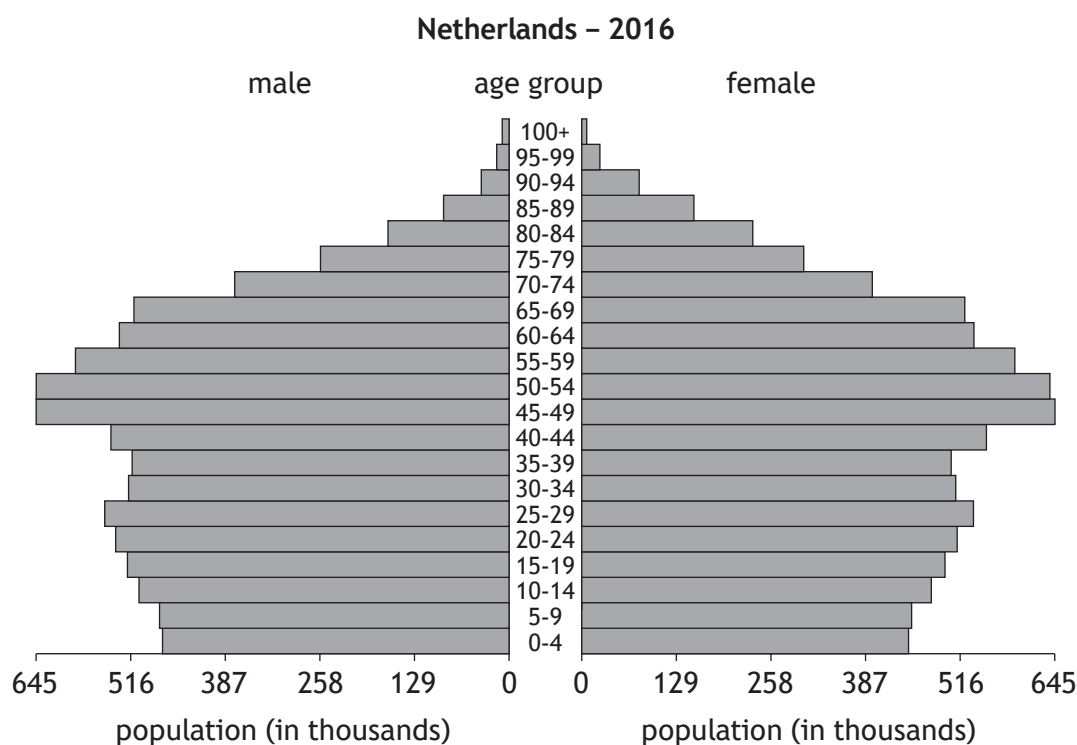
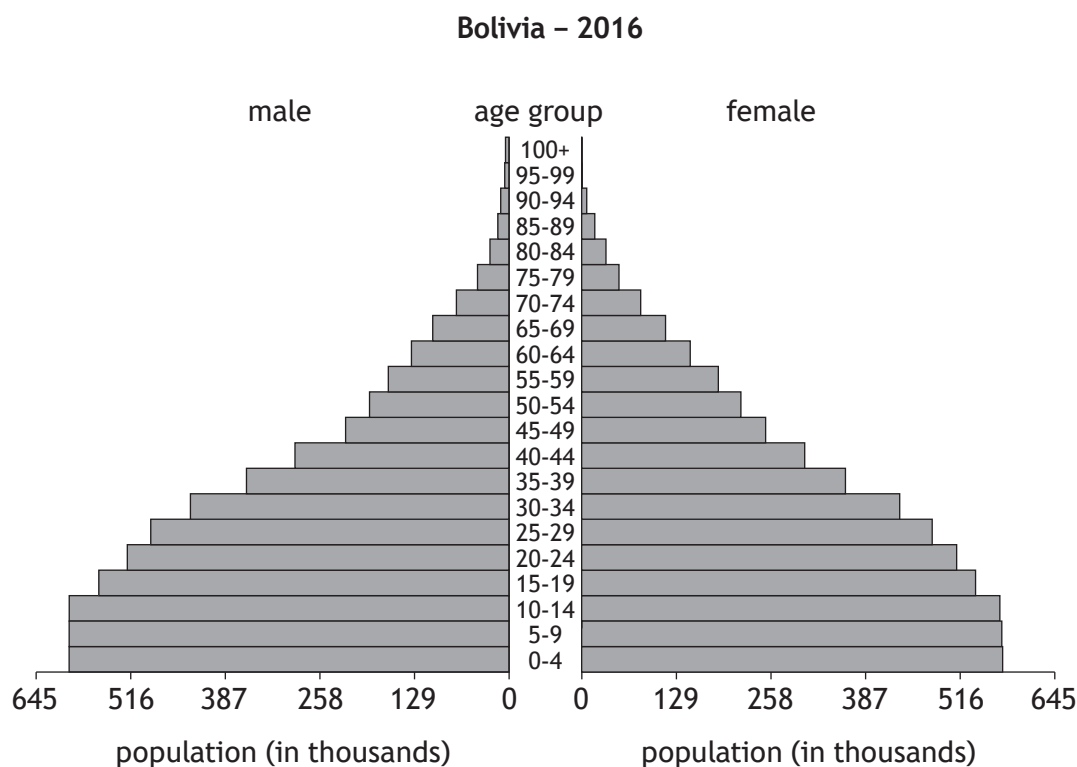
**Explain** the advantages and disadvantages of recent developments in farming in developed countries such as the UK.

6

[Turn over

## Question 13

Diagram Q13 Population pyramids for Bolivia and the Netherlands



Study Diagram Q13

**Explain** the differences in the population structures of Bolivia and the Netherlands.

You should refer to both birth rates **and** death rates in your answer.

**SECTION 3 — GLOBAL ISSUES — 20 marks**

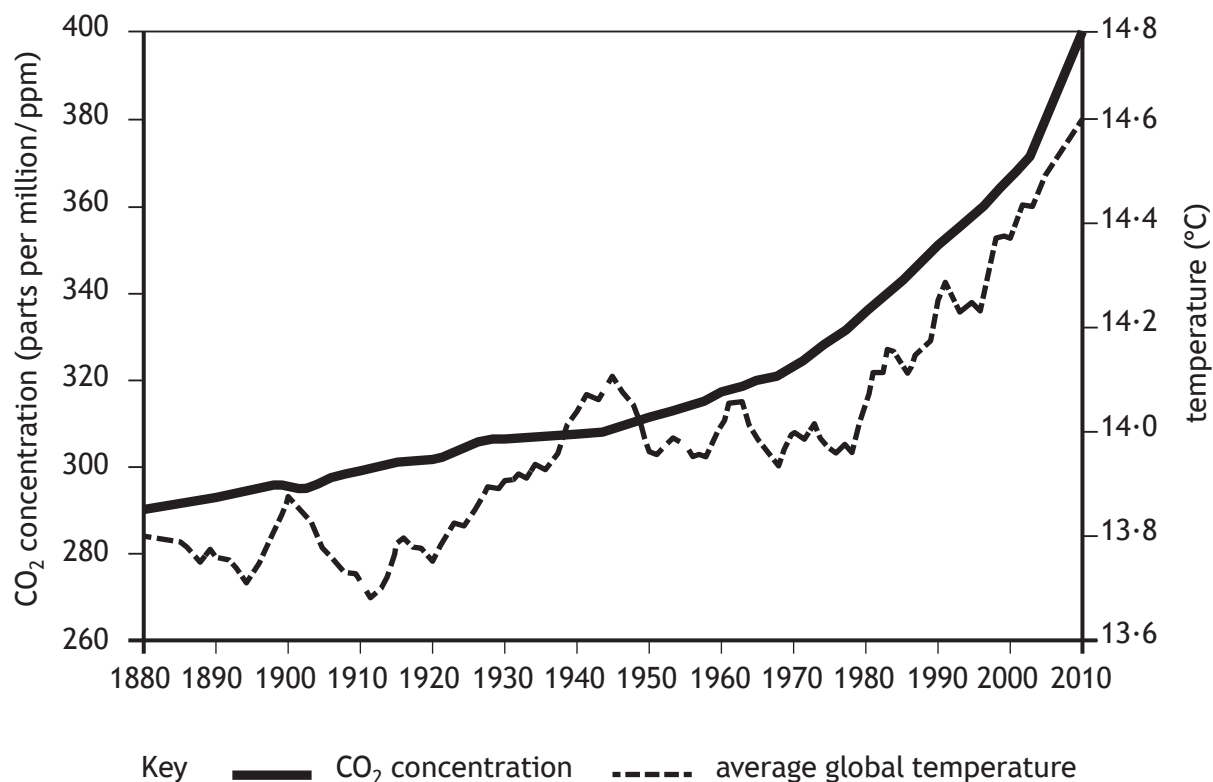
**Attempt any TWO questions**

|                                       |         |
|---------------------------------------|---------|
| Question 14 — Climate change          | page 14 |
| Question 15 — Natural regions         | page 16 |
| Question 16 — Environmental hazards   | page 18 |
| Question 17 — Trade and globalisation | page 20 |
| Question 18 — Tourism                 | page 22 |
| Question 19 — Health                  | page 24 |

[Turn over

## Question 14 — Climate change

Diagram Q14A Evidence of climate change

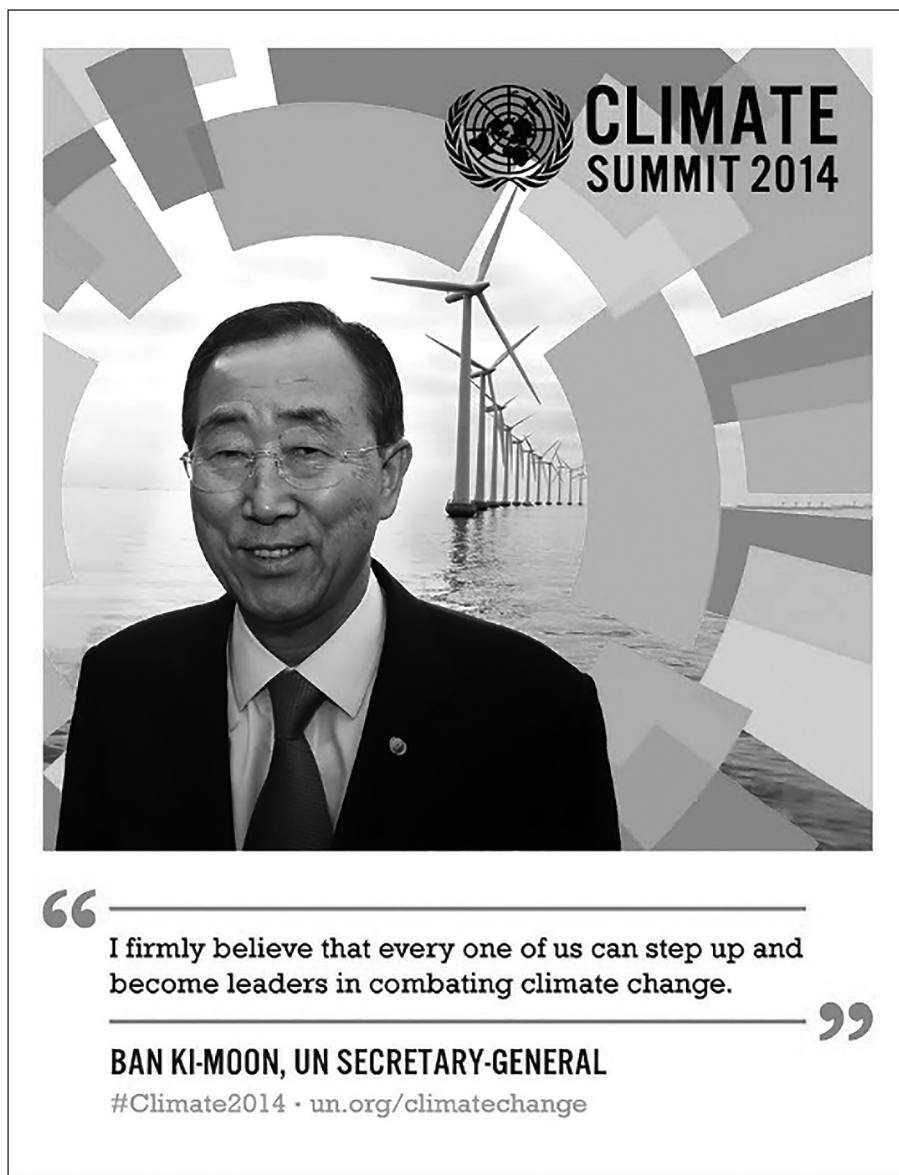


(a) Study Diagram Q14A.

**Describe, in detail,** the changes in carbon dioxide levels and average global temperatures.

## Question 14 — Climate change (continued)

Diagram Q14B Climate summit 2014 poster



(b) Look at Diagram Q14B.

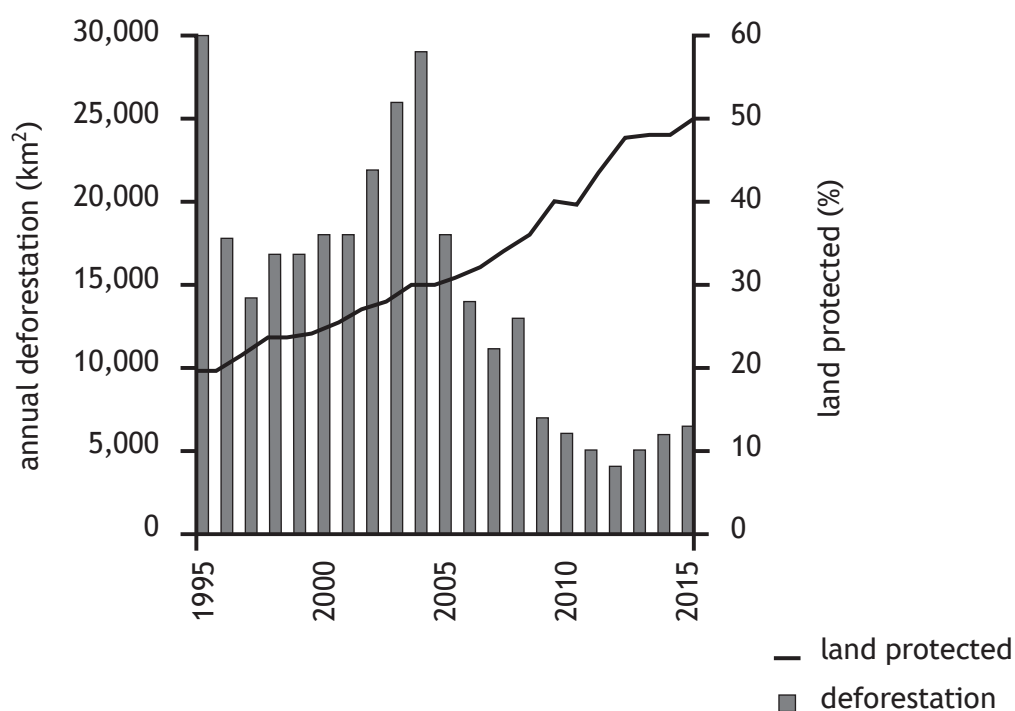
Explain, in detail, strategies to minimise future climate change.

6

[Turn over

## Question 15 — Natural regions

Diagram Q15A Deforestation and protected land in the Brazilian rainforest  
1995–2015



(a) Study Diagram Q15A.

**Describe, in detail,** changes in deforestation and protected land in the Brazilian rainforest.

## Question 15 — Natural regions (continued)

Diagram Q15B An area of tropical deforestation



(b) Look at Diagram Q15B.

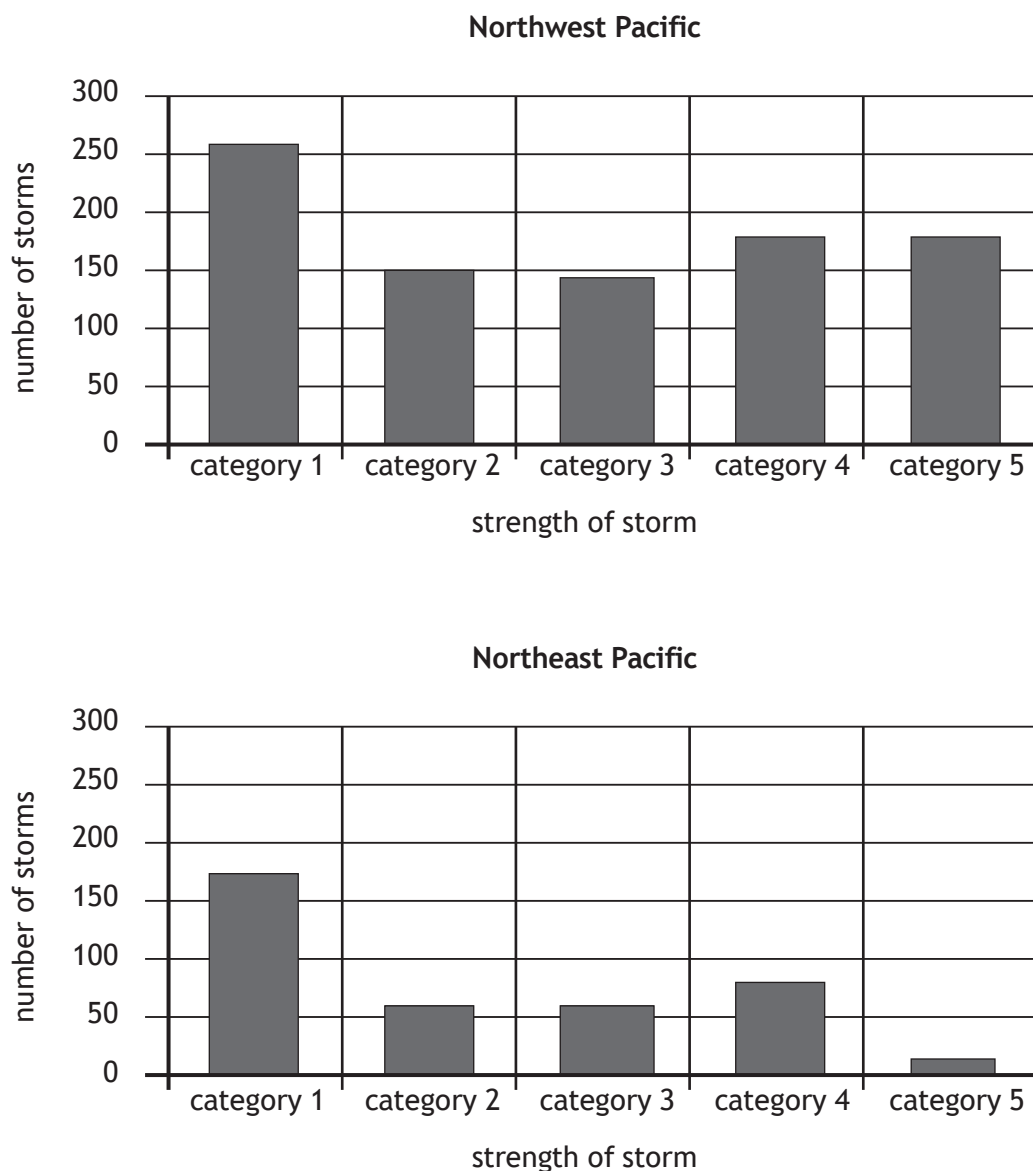
For a named area of tropical rainforest you have studied, **describe, in detail,** the strategies used to reduce deforestation.

6

[Turn over

## Question 16 — Environmental hazards

**Diagram Q16A** Number of tropical storms in the North Pacific Ocean  
1951–2002



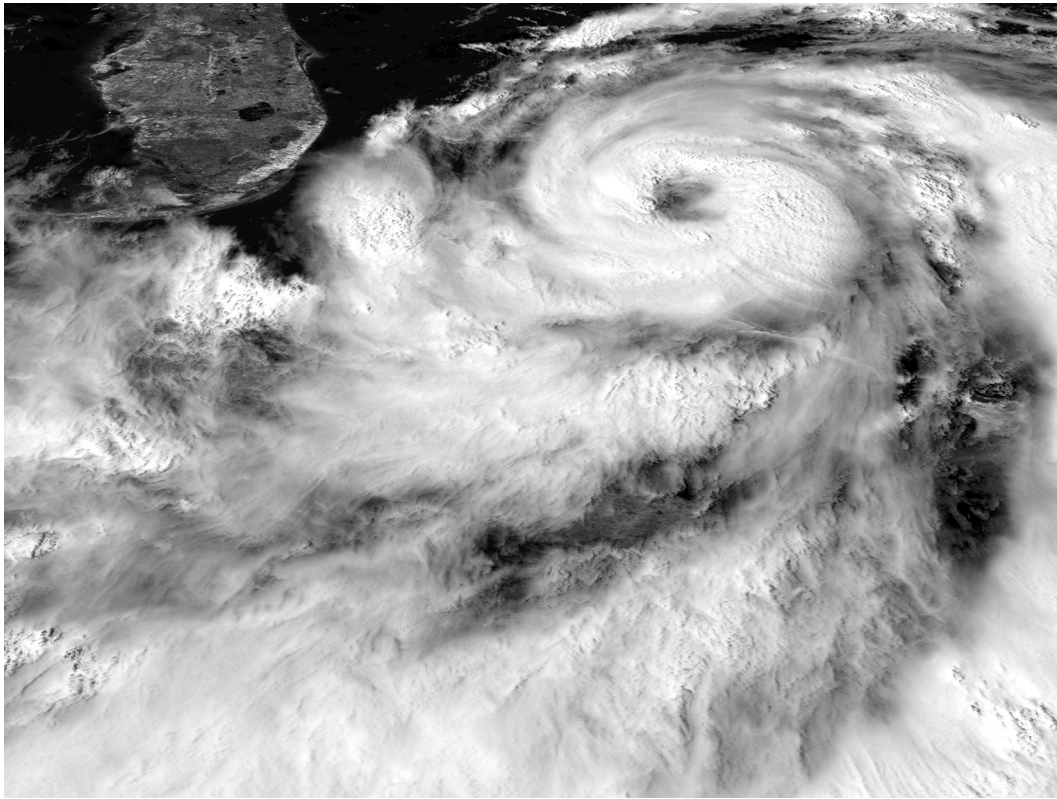
(a) Study Diagram Q16A.

**Describe, in detail,** the differences in the number of tropical storms in the Northwest and Northeast Pacific Ocean.

4

## Question 16 — Environmental hazards (continued)

Diagram Q16B A tropical storm



(b) Look at Diagram Q16B.

**Explain** the formation of a tropical storm.

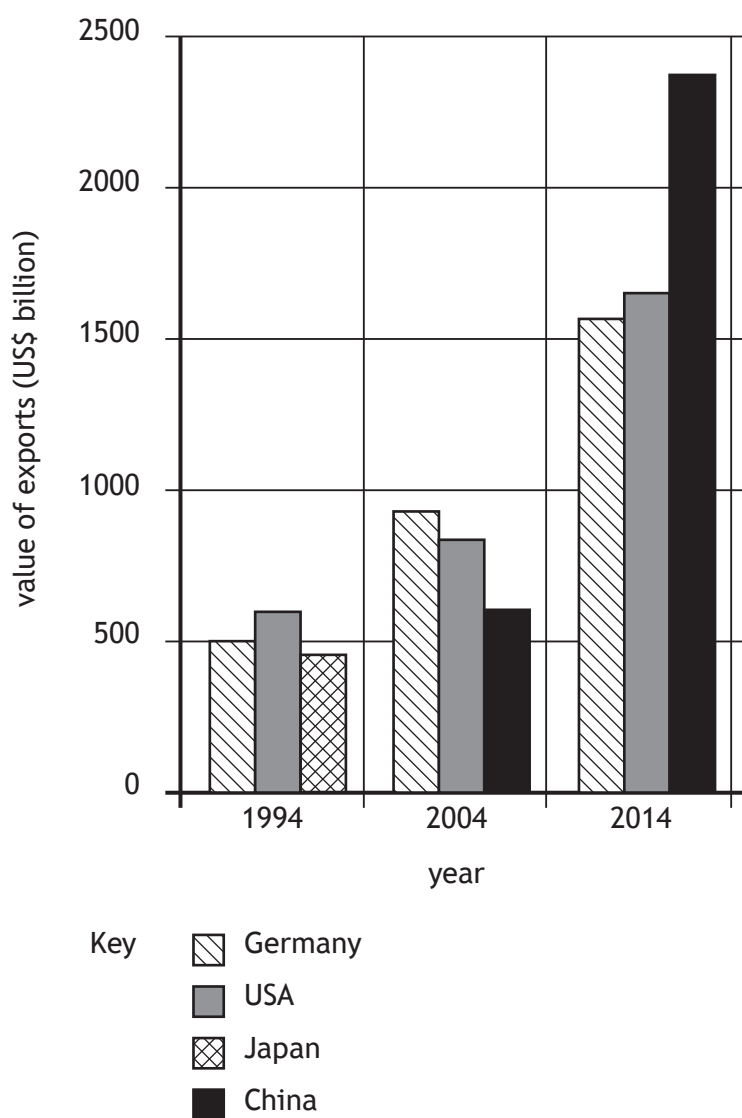
You may use a diagram(s) in your answer.

6

[Turn over

## Question 17 — Trade and globalisation

Diagram Q17A World's top exporting countries 1994–2014



(a) Study Diagram Q17A.

**Describe, in detail,** the changes in the export value and ranking of the world's top exporting countries.

4

## Question 17 — Trade and globalisation (continued)

Diagram Q17B Newspaper headline



(b) Look at Diagram Q17B.

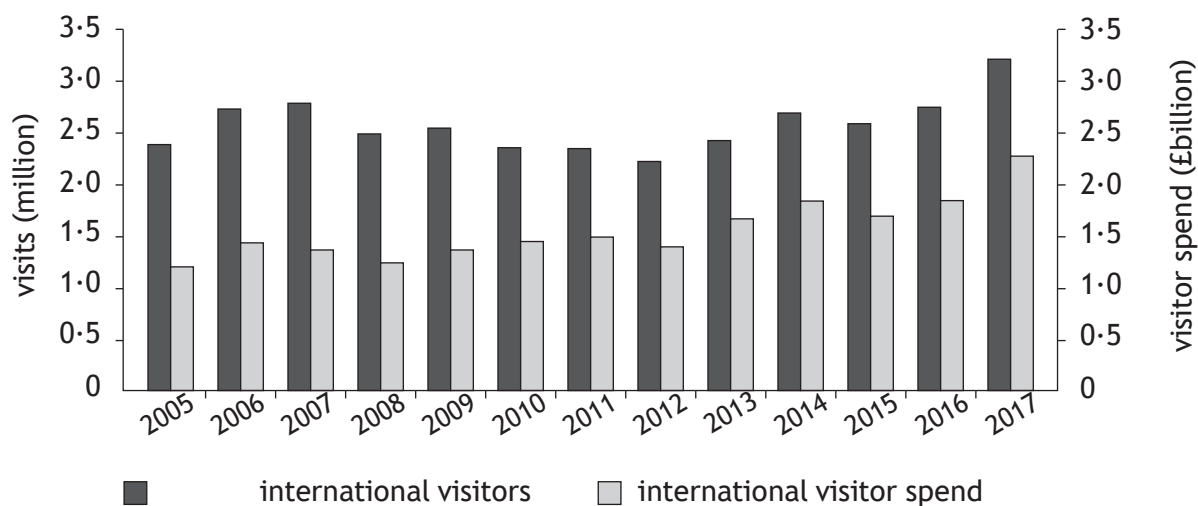
Referring to countries you have studied, **describe, in detail**, world trade patterns.

6

[Turn over

## Question 18 — Tourism

**Diagram Q18A** International visitors and international visitor spend in Scotland  
2005–2017



(a) Study Diagram Q18A.

**Describe, in detail, the changes in the number of international visitors and international visitor spend in Scotland between 2005 and 2017.**

4

## Question 18 — Tourism (continued)

Diagram Q18B Newspaper headline



(b) Look at Diagram Q18B.

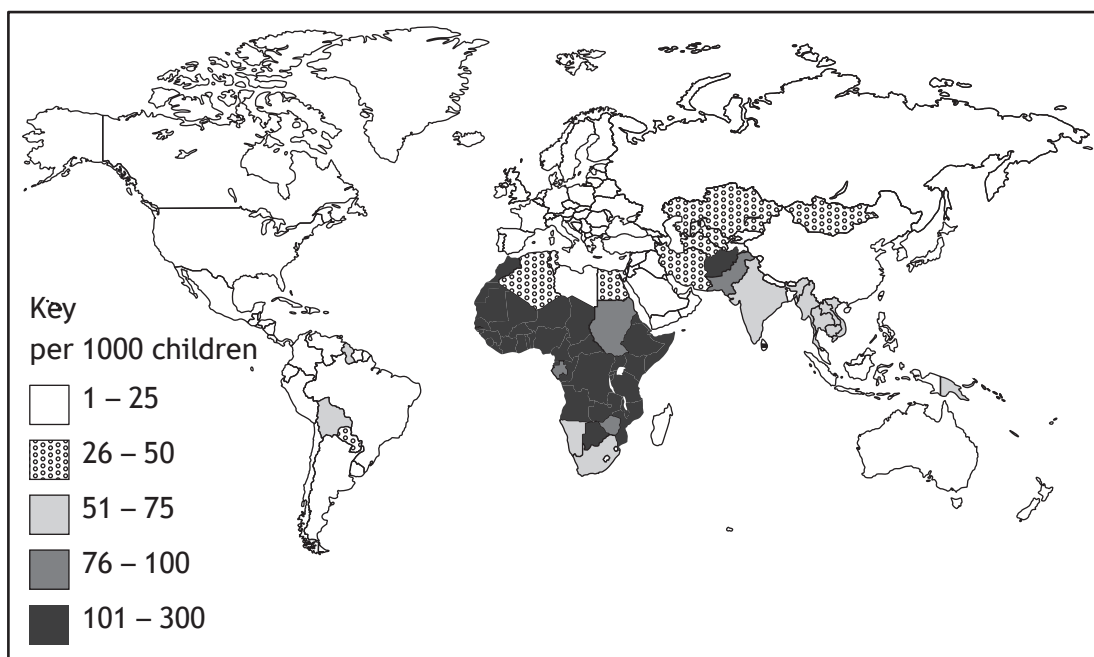
Referring to an area you have studied, **describe, in detail**, the main features of eco-tourism.

6

[Turn over for next question

## Question 19 — Health

Diagram Q19A Global child mortality rates

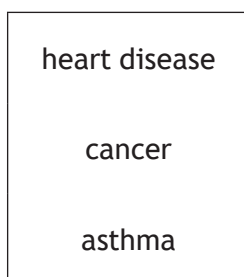


(a) Study Diagram Q19A.

Describe, in detail, child mortality rates across the world.

4

Diagram Q19B Selected diseases common in the developed world



(b) Choose **one** disease from Diagram Q19B above.

For the disease you have chosen, **explain** the methods used to manage it.

6

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National  
Qualifications  
2019

**X833/75/21**

**Geography  
Ordnance Survey Map  
Item A**

TUESDAY, 28 MAY

1:00 PM – 3:20 PM

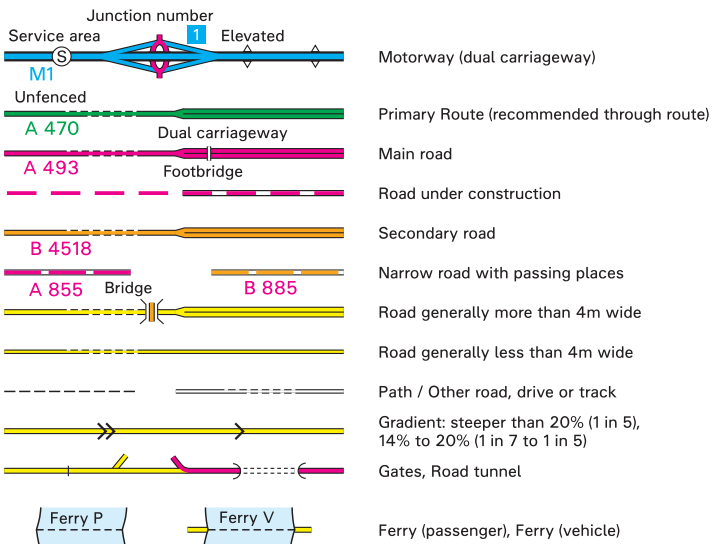
The colours used in the printing of these map extracts are indicated in the four little boxes at the top of the map extract. Each box should contain a colour; if any does not, the map is incomplete and should be returned to the Invigilator.



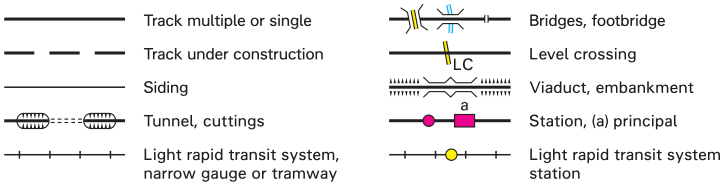
\* X 8 3 3 7 5 2 1 \*



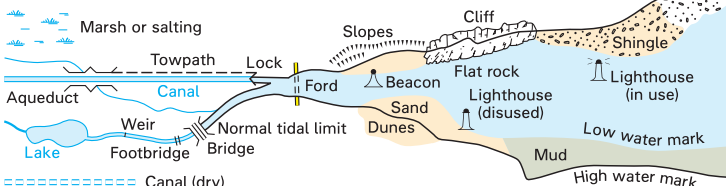
ROADS AND PATHS



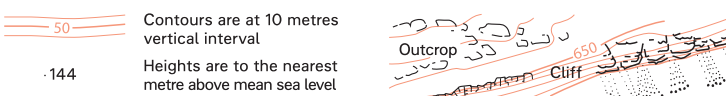
RAILWAYS



WATER FEATURES



HEIGHTS



PUBLIC RIGHTS OF WAY

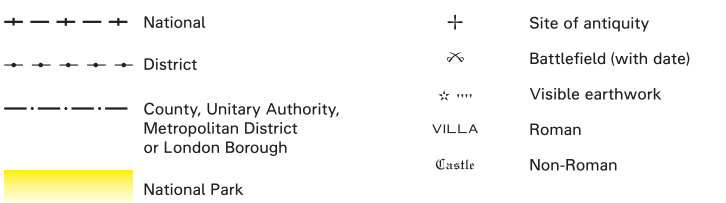


The symbols show the defined route so far as the scale of mapping will allow.

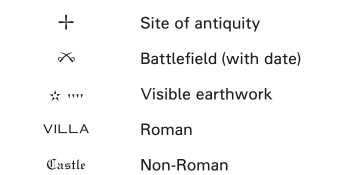
The representation on this map of any other road, track or path is no evidence of the existence of a right of way. Not shown on maps of Scotland

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

BOUNDARIES



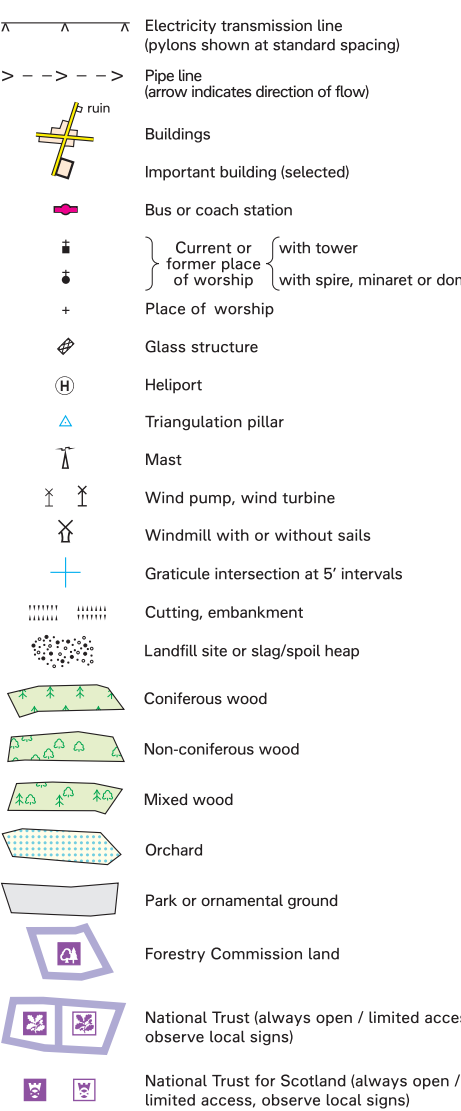
ANTIQUITIES



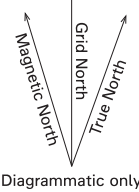
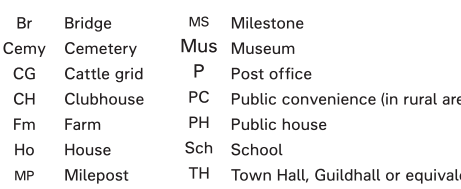
TOURIST INFORMATION



LAND FEATURES

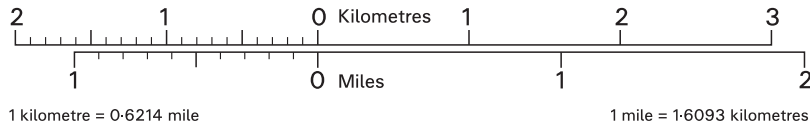


ABBREVIATIONS



Scale 1: 50 000

2 centimetres to 1 kilometre (one grid square)





National  
Qualifications  
2019

**X833/75/31**

**Geography  
Ordnance Survey Map  
Item B**

TUESDAY, 28 MAY

1:00 PM – 3:20 PM

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The colours used in the printing of these map extracts are indicated in the four little boxes at the top of the map extract. Each box should contain a colour; if any does not, the map is incomplete and should be returned to the Invigilator.



\* X 8 3 3 7 5 3 1 \*

**ROADS AND PATHS**

Not necessarily rights of way

Service area Junction number Elevated  
M1  
Unfenced  
A 470 Dual carriageway  
A 493 Footbridge  
B 4518  
A 855 Bridge B 885  
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 P Ferry V  
Ferry (passenger), Ferry (vehicle)

**RAILWAYS**

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

**WATER FEATURES**

Marsh or salting  
Towpath  
Lock  
Canal  
Aqueduct  
Weir  
Footbridge  
Bridge  
Normal tidal limit  
Ford  
Beacon  
Sand  
Dunes  
Cliff  
Flat rock  
Lighthouse (disused)  
Lighthouse (in use)  
Shingle  
Mud  
Low water mark  
High water mark  
Canal (dry)

**HEIGHTS** 1 metre = 3-2808 feet

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

**ROCK FEATURES**

Outcrop  
Cliff  
Scree

**PUBLIC RIGHTS OF WAY**

Footpath  
Bridleway  
Restricted byway  
Byway open to all traffic

**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.  
On-road cycle route  
Traffic-free cycle route  
National Cycle Network number  
Regional Cycle Network number  
National Trail, European Long Distance Path, Long Distance Route, selected Recreational Routes

**BOUNDARIES**

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

**ANTIQUITIES**

Site of antiquity  
Battlefield (with date)  
Visible earthwork  
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  
Recreation / leisure / sports centre  
Selected places of tourist interest  
Telephone, public / roadside assistance  
Viewpoint  
Visitor centre  
Walks / Trails  
World Heritage site or area  
Youth hostel

**LAND FEATURES**

Electricity transmission line (pylons shown at standard spacing)  
Pipe line (arrow indicates direction of flow)  
Buildings  
Important building (selected)  
Bus or coach station  
Current or former place of worship (with tower with spire, minaret or dome)  
Place of worship  
Glass structure  
Heliport  
Triangulation pillar  
Mast  
Wind pump, wind turbine  
Windmill with or without sails  
Graticule intersection at 5' intervals  
Cutting, embankment  
Landfill site or slag/spoil heap  
Coniferous wood  
Non-coniferous wood  
Mixed wood  
Orchard  
Park or ornamental ground  
Forestry Commission land  
National Trust (always open / limited access, observe local signs)  
National Trust for Scotland (always open / limited access, observe local signs)

**ABBREVIATIONS**

Br Bridge MS Milestone  
Cemy Cemetery Mus Museum  
CG Cattle grid P Post office  
CH Clubhouse PC Public convenience (in rural areas)  
Fm Farm PH Public house  
Ho House Sch School  
MP Milepost TH Town Hall, Guildhall or equivalent

