

Write your name here

Surname

Other names

Centre Number

Candidate Number

**Edexcel GCSE**

# Geography A

## Unit 1: Geographical Skills and Challenges

**Higher Tier**

Monday 21 January 2013 – Afternoon

**Time: 1 hour**

Paper Reference

**5GA1H/01**

**You must have:**

Resource Booklet (enclosed)

Ordnance Survey Map Extract (enclosed)

Total Marks

### Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided – *there may be more space than you need.*

### Information

- The total mark for this paper is 54.
- The marks for **each** question are shown in brackets – *use this as a guide as to how much time to spend on each question.*
- Questions labelled with an **asterisk** (\*) are ones where the quality of your written communication will be assessed.
- The marks available for spelling, punctuation and grammar are clearly indicated.

### Advice

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end.

Turn over ►

P41345A

©2013 Pearson Education Ltd.

6/7/6/6



**PEARSON**

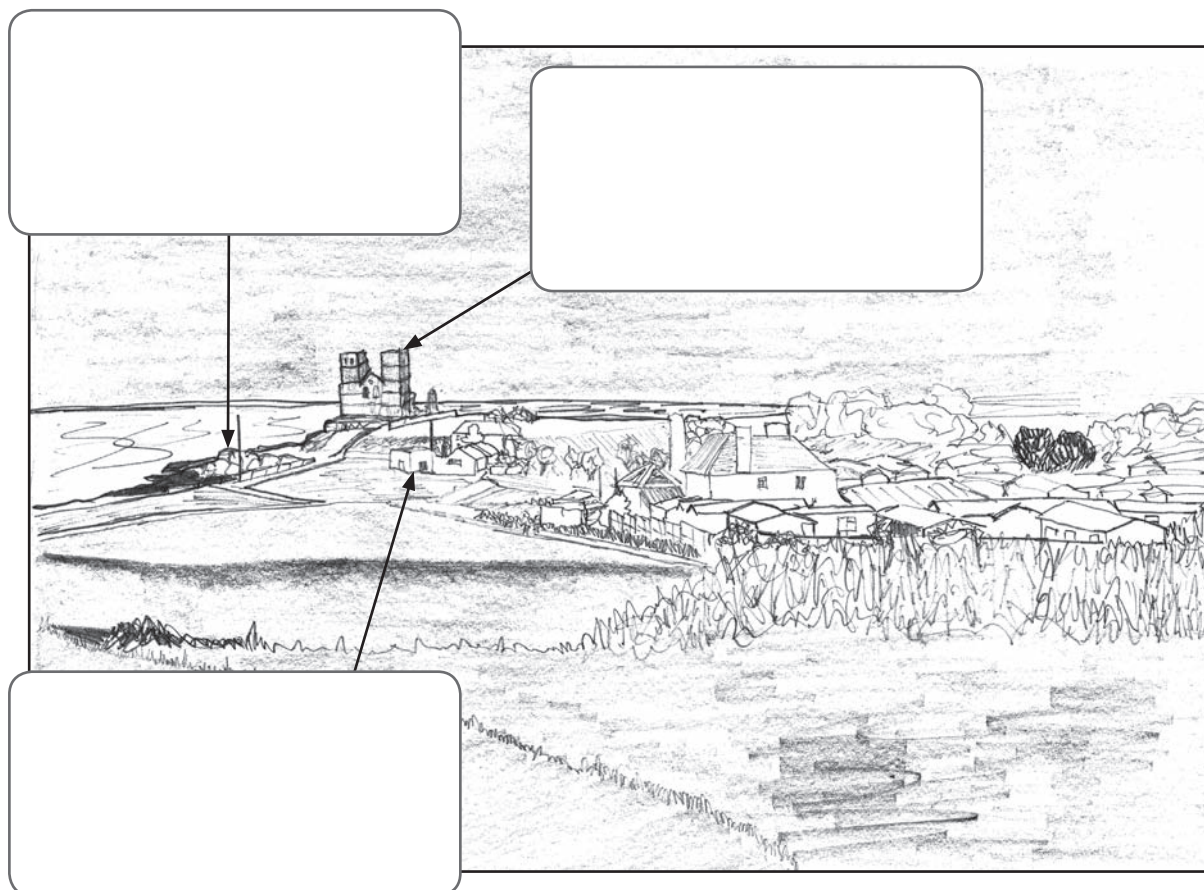
## SECTION A – GEOGRAPHICAL SKILLS

Answer ALL questions in this section.

- 1 Study the Ordnance Survey (OS) map extract of the Canterbury area and Figure 1a (photograph) in the Resource Booklet.

The photograph was taken in grid square 2169 looking east-north-east.

Figure 1b is a field sketch of the photograph.



**Figure 1b**

- (a) Complete the boxes on Figure 1b by labelling the features.

Use the key on the OS map extract to help you.

(3)



(b) (i) Describe the **site** of St Nicholas at Wade in grid square 2666.

(3)

.....

.....

.....

.....

.....

.....

(ii) Find the village of Monkton in grid square 2865.

Compare the shape of Monkton with the **shape** of St Nicholas at Wade (2666).

(4)

.....

.....

.....

.....

.....

.....

.....

.....

.....

(c) What is the distance to the nearest kilometre along the railway line from the railway station in Canterbury (1458) to the railway station at Sturry (1760).

(1)

..... km



(d) Describe the land use pattern on the map extract.

(4)

.....

.....

.....

.....

.....

.....

.....

.....

.....

**(Total for Question 1 = 15 marks)**

---



**BLANK PAGE**

**Question 2 is on the next page**



2 (a) Study Figure 2a below and the key (Figure 2b) in the Resource Booklet.

It shows information on the length and shape of pebbles collected along the coast between Reculver and Minnis Bay.

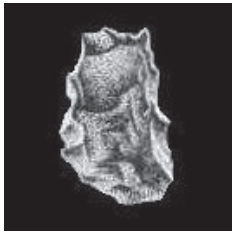
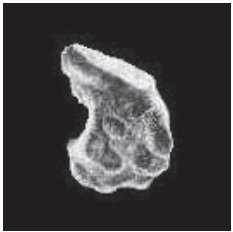




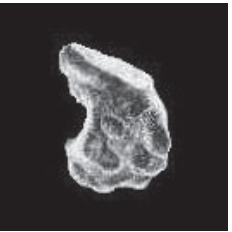

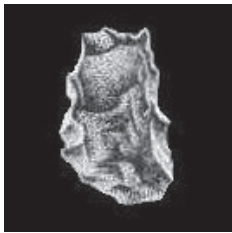
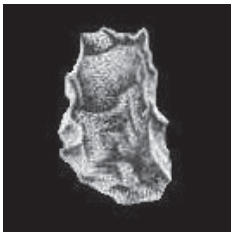


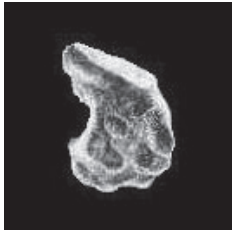
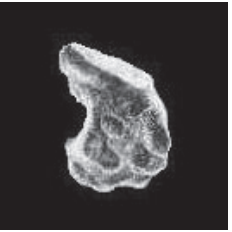

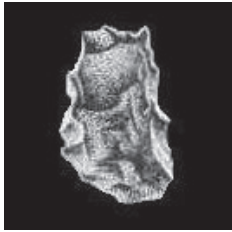
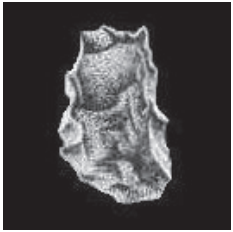


| Pebble number | Site 1<br>Grid reference<br>235695  | Site 2<br>Grid reference<br>240695  | Site 3<br>Grid reference<br>245694   | Site 4<br>Grid reference<br>250695  |
|---------------|---|---|--|---|
| 1             |    |    |    |    |
| 2             |   |   |   |   |
| 3             |  |  |  |  |
| 4             |  |   |  |  |
| 5             |  |  |  |  |

Figure 2a



(i) Complete Figure 2a.

Use the data in the table.

(1)

| Site | Pebble number | Length and shape of pebble |
|------|---------------|----------------------------|
| 2    | 4             | 2 cm to 4 cm, sub-angular  |

(ii) Describe how the size (length) and shape of the pebbles changed between Reculver and Minnis Bay.

Use pebble data in your answer.

(4)

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

(iii) Outline the advantages of using the technique, shown in Figure 2a, to display data.

(2)

.....

.....

.....

.....



(b) Describe how ICT can be used to present data that has been collected in the field.

(3)

.....

.....

.....

.....

.....

.....

.....

---

**(Total for Question 2 = 10 marks)**

---

**TOTAL FOR SECTION A = 25 MARKS**

---





**BLANK PAGE**

**Section B is on the next page**

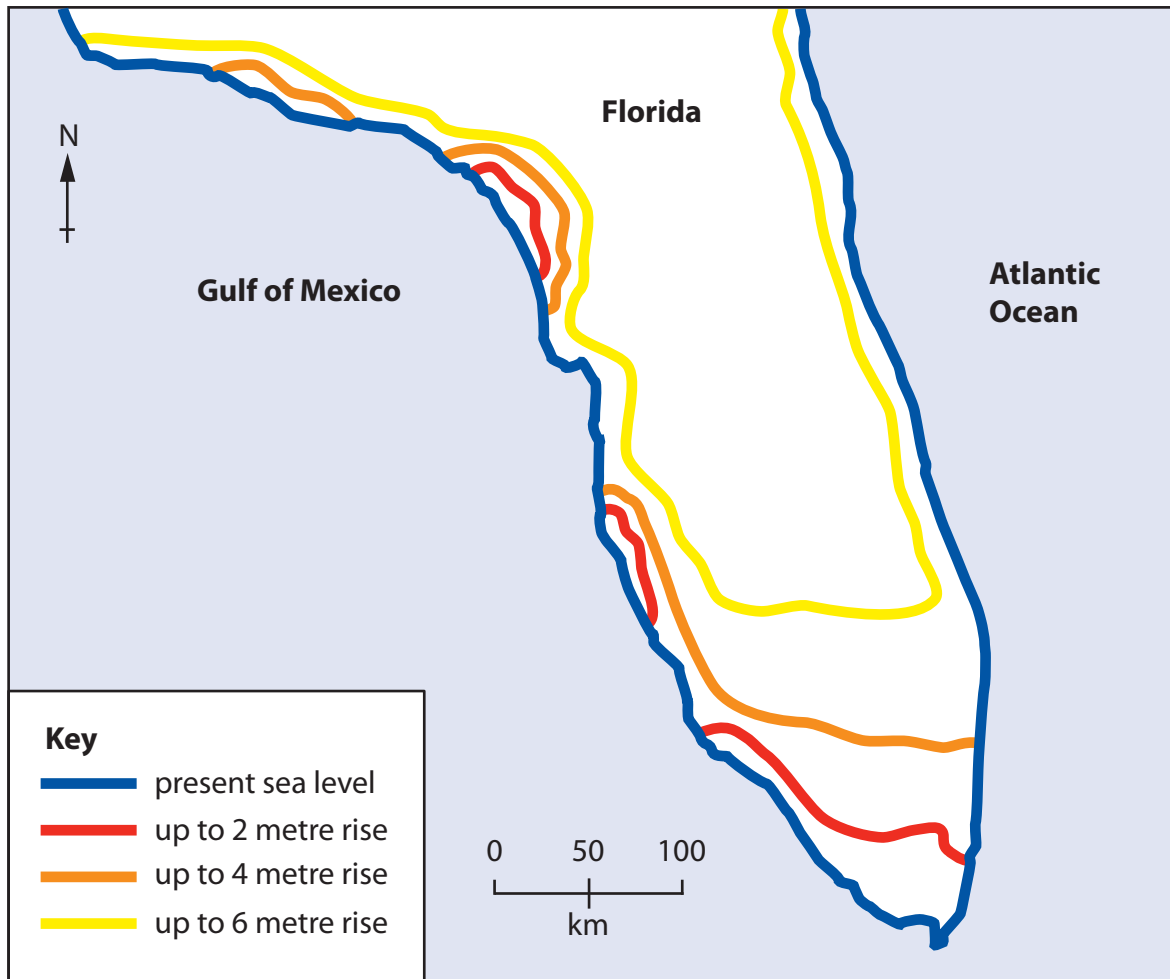


**SECTION B – CHALLENGES FOR THE PLANET**

**Answer ALL questions in this section.**

**3** (a) Study Figure 3.

It shows the effects of sea level rises on areas of Florida.



**Figure 3**

(i) Shade in the areas that would be flooded if the sea level rose by 4 metres.

(1)



(ii) Sea levels are predicted to rise because of climate change.

Explain **one** cause of climate change.

(3)

.....

.....

.....

.....

.....

.....

(iii) Outline the negative effects of rising sea levels on people and the environment.

Use examples in your answer.

(4)

.....

.....

.....

.....

.....

.....

.....

.....

.....



(b) Describe **one** global response to climate change.

(3)

.....

.....

.....

.....

.....

.....

**(Total for Question 3 = 11 marks)**



**Spelling, punctuation and grammar will be assessed in \*(b).**

**4** (a) Look again at the Ordnance Survey (OS) map extract of the Canterbury area and Figure 4 (photograph) in the Resource Booklet.

(i) Figure 4 shows a Park and Ride site to the south west of Canterbury.

Give the six figure grid reference of this Park and Ride site.

(1)

(ii) Describe the distribution of Park and Ride sites around Canterbury.

Use evidence from the OS map extract in your answer.

(3)

(iii) Other than Park and Ride schemes, explain how transport can be managed in urban areas.

(4)





**BLANK PAGE**



**BLANK PAGE**





**Edexcel GCSE**

# **Geography A**

**Unit 1: Geographical Skills and Challenges**

**Paper 1F and 1H**

Monday 21 January 2013 – Afternoon  
**Resource Booklet**

Paper Reference

**5GA1F/01**

**5GA1H/01**

**Do not return the resource booklet with the question paper.**

## **Information**

This Resource Booklet contains photographs and a key needed for use with the Unit 1: Geographical Skills and Challenges examination.

This Resource Booklet is for use with both foundation and higher tiers.

*Turn over* ►

**P41344A**

©2013 Pearson Education Ltd.

6/7/6/6

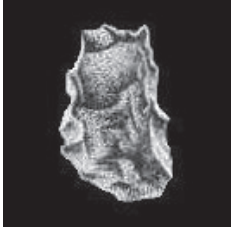
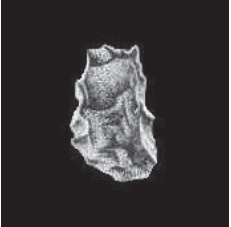









**PEARSON**

**SECTION A – GEOGRAPHICAL SKILLS**



**Figure 1a**

| Rock size and shape | greater than 4 cm  | 2 cm to 4cm   | less than 2 cm   |
|---------------------|--|---|--|
| very angular        |   |   |   |
| sub-angular         |   |   |   |
| well rounded        |  |  |  |

**Figure 2b key**

## SECTION B – CHALLENGES FOR THE PLANET



**Figure 4**



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

**ROADS AND PATHS** Not necessarily rights of way

Diagram showing road types: Junction number, Service area, M1, Unfenced, A 470, Dual carriageway, A 493, Footbridge, B 4518, A 855, Bridge, B 885, 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.

**RAILWAYS**

Diagram showing railway types: 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**

Diagram showing water features: Marsh or salting, Towpath, Lock, Slopes, Cliff, Shingle, Aqueduct, Canal, Weir, Normal tidal limit, Footbridge, Bridge, Lake, Dunes, Beacon, Sand, Lighthouse (in use), Mud, Low water mark, High water mark, Canal (dry).

**HEIGHTS**

Diagram showing height contours: Contours are at 10 metres vertical interval, 144, 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.

**PUBLIC RIGHTS OF WAY**

Diagram showing public rights of way: Footpath, Bridleway, Restricted byway, Byway open to all traffic.

**OTHER PUBLIC ACCESS**

Diagram showing other public access: 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, Firing and Test Ranges in the area, Danger! Observe warning notices.

**BOUNDARIES**

Diagram showing boundaries: National, District, County, Unitary Authority, Metropolitan District or London Borough, National Park.

**TOURIST INFORMATION**

Diagram showing 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 / roads assistance, Viewpoint, Visitor centre, Walks / Trails, World Heritage site or area, Youth hostel.

**LAND FEATURES**

Diagram showing 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, Helipoint, 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**

Table of abbreviations: Br Bridge, MS Milestone, Cem 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.

**HISTORICAL FEATURES**

Diagram showing historical features: Site of antiquity, Battlefield (with date), Visible earthwork, Roman, Non-Roman.

