

Write your name here

Surname

Other names

Centre Number

Candidate Number

Edexcel GCSE

Geography A

Unit 1: Geographical Skills and Challenges

Foundation Tier

Monday 21 January 2013 – Afternoon

Time: 1 hour

Paper Reference

5GA1F/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 ►

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PEARSON

SECTION A – GEOGRAPHICAL SKILLS

Answer ALL questions in this section.

Some questions must be answered with a cross in a box ☒. If you change your mind about an answer, put a line through the box ☒ and then mark your new answer with a cross ☒.

- 1 (a) Look at 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.

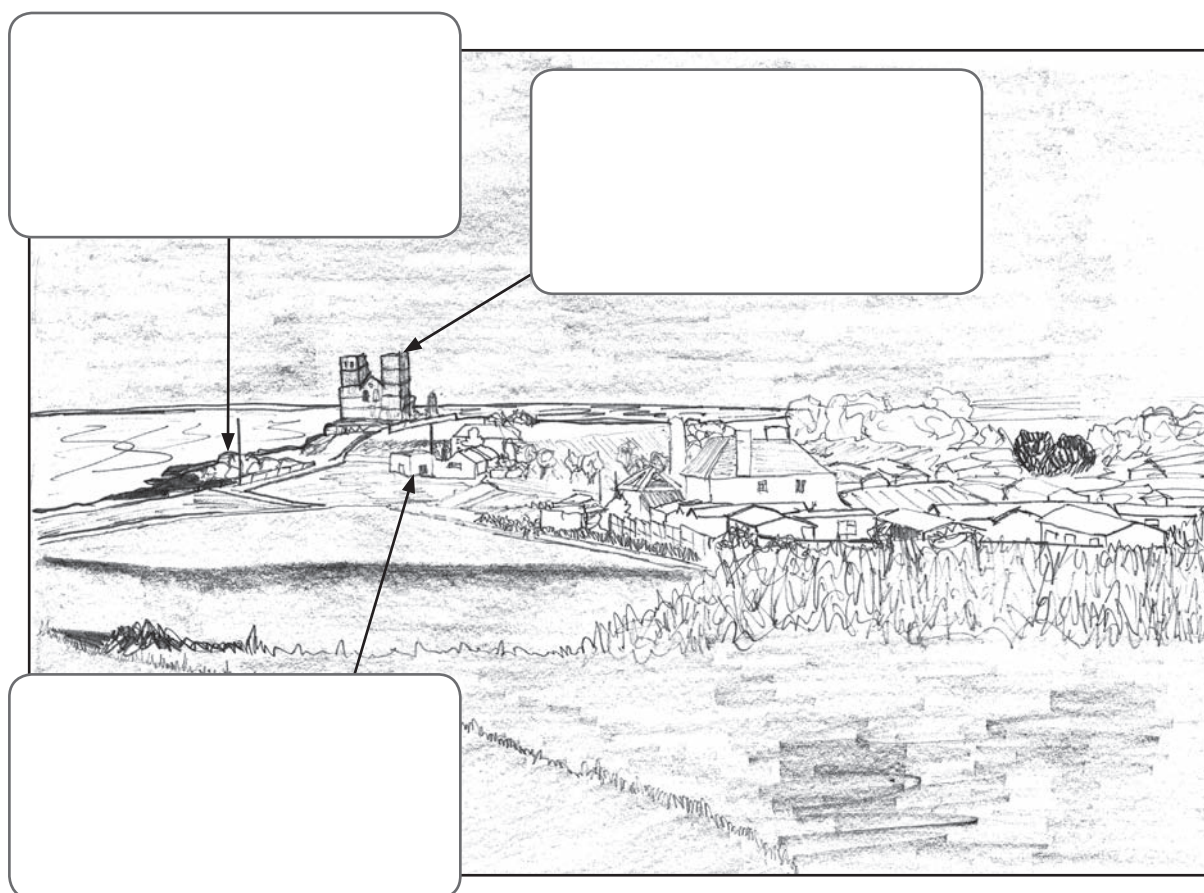


Figure 1b

Complete the boxes on Figure 1b by labelling the features.

Use some of the words in the box below.

(3)

visitor centre cliff information centre
current or former place of worship (church) with tower
parking sand



(b) (i) Find the village of St Nicholas at Wade in grid square 2666.

Complete the sentences to describe the site of the village.

Use some of the words and numbers in the box.

(3)

24 m	17 m	flat	hilly
	Wantsum	Stour	

St Nicholas at Wade is sited on land above the floodplain of the River

The 20 m contour line goes around the village.

The centre of the village rises slightly to a spot height of

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

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

(3)

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(c) Find the railway station in Canterbury (1458) and the railway station at Sturry (1760).

What is the distance between these two stations along the railway line, to the nearest kilometre (km)?

(1)

- A** 2 km
- B** 4 km
- C** 6 km
- D** 8 km



(d) There are many different land features on the map extract.

Complete the table below with **one land feature** for each of the grid squares.

A land feature can only be used once.

(4)

Grid square	Name of land feature	Symbol
1864		
1661		

(Total for Question 1 = 14 marks)



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Question 2 is on the next page



2 (a) Look at 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.

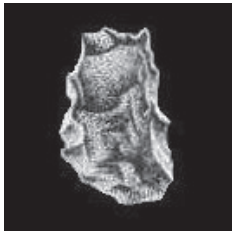
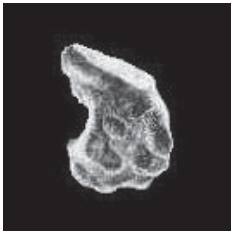




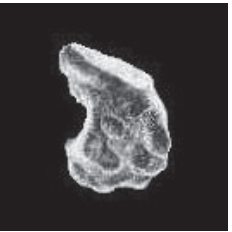

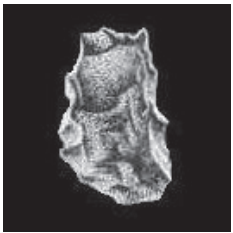


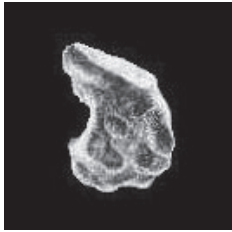

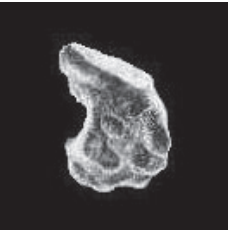

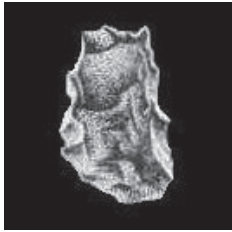
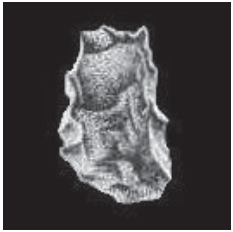

Pebble number	Site 1 Grid reference 235695	Site 2 Grid reference 240695	Site 3 Grid reference 245694	Site 4 Grid reference 250695
1				
2				
3				
4				
5				

Figure 2a



(i) Complete Figure 2a.

Use the data in the table.

(2)

Site	Pebble number	Length and shape of pebble
1	3	Greater than 4 cm, very angular
4	5	Less than 2 cm, well rounded

(ii) The largest number of rounded pebbles were collected at

(1)

- A site 1
- B site 2
- C site 3
- D site 4

(iii) The largest number of **very angular** pebbles were collected at grid reference

(1)

- A 235695
- B 240695
- C 245694
- D 250695

(iv) Describe what is happening to the **shape** of the pebbles between site 1 and site 4.

Use pebble data in your answer.

(2)

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(v) State **one** advantage and **one** disadvantage of using the technique, shown in Figure 2a, to display data.

(2)

Advantage

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Disadvantage

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

(3)

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(Total for Question 2 = 11 marks)

TOTAL FOR SECTION A = 25 MARKS



SECTION B – CHALLENGES FOR THE PLANET

Answer ALL questions in this section.

3 (a) Look at Figure 3.

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

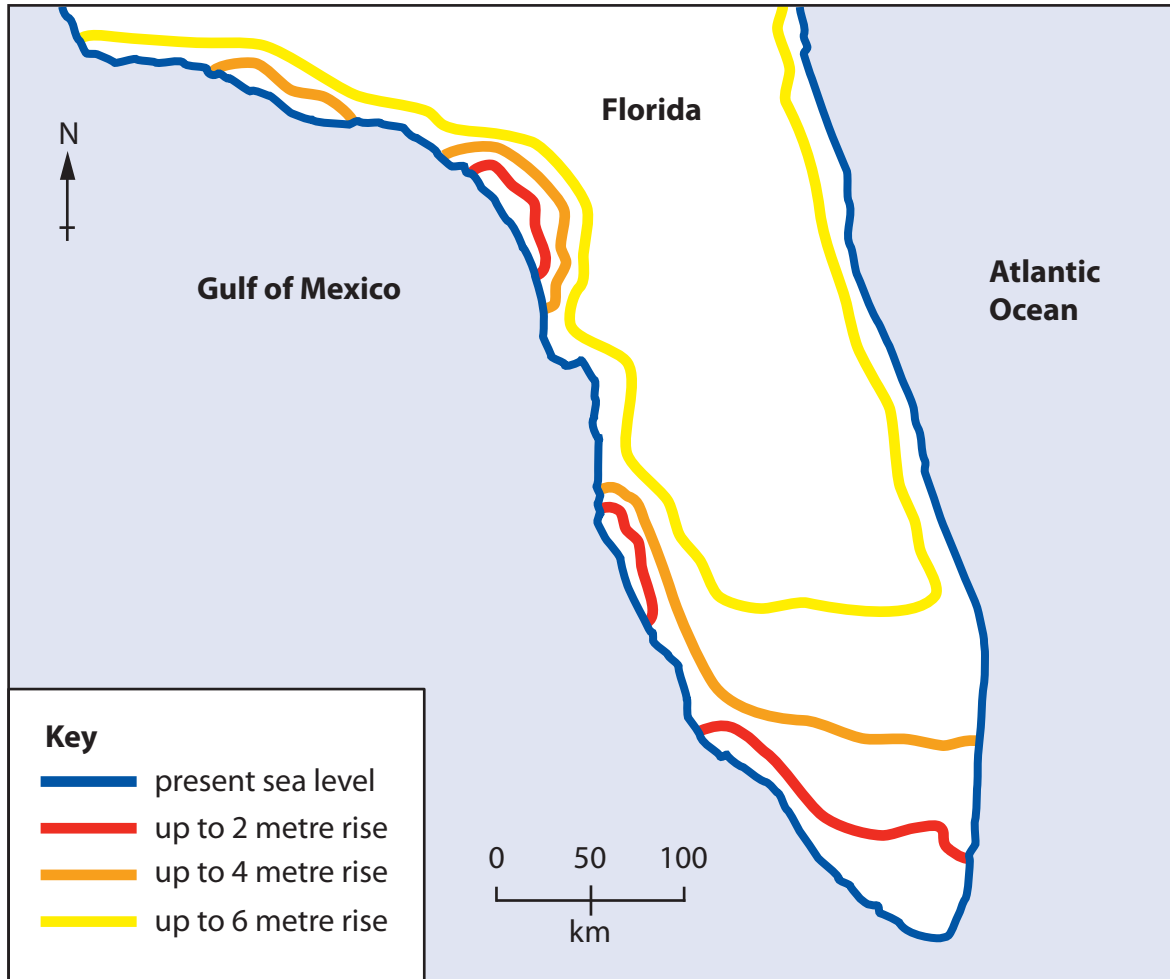


Figure 3

(i) Shade in the **three** areas that would be flooded if the sea level rose by 2 metres.

(1)



(ii) Complete the sentences about the causes of climate change.

Use some of the words in the box.

(5)

grass Asia methane coal Australia carbon dioxide
hydrochloric acid oxygen rice

When fossil fuels such as are burnt

they release

This is one of the gases that cause the greenhouse effect.

Another gas which causes the greenhouse effect is

The amount of this gas in the atmosphere has increased because of the

growth of population in

This means more is being grown.



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

Use examples in your answer.

(4)

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(b) Choose the **two** statements that are the best examples of global responses to climate change.

(2)

- A** Conferences attended by many national governments to discuss reductions in greenhouse gases.
- B** People joining campaigns to improve recycling in their local areas.
- C** Researchers trying to find new ways of increasing food production to meet growing demand.
- D** LICs and HICs working together to encourage economic growth without damaging the environment.
- E** The UK government providing money for research in alternative energy sources.

(Total for Question 3 = 12 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.

The four figure grid reference of this Park and Ride site is

(1)

- A** 1655
- B** 1659
- C** 1356
- D** 1359

(ii) In which area of Canterbury is traffic congestion likely to be worst?

(1)

- A** 1359
- B** 1657
- C** 1457
- D** 1659

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

Use evidence from the OS map extract in your answer.

(3)

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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 ►

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SECTION A – GEOGRAPHICAL SKILLS



Figure 1a

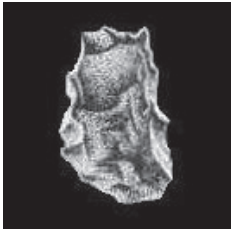
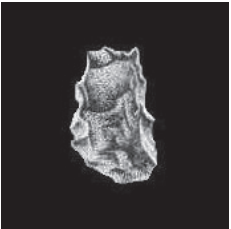

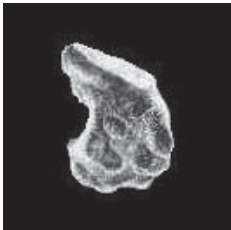





Rock size and shape	greater than 4 cm	2 cm to 4cm	less than 2 cm
very angular			
sub-angular			
well rounded			

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

Junction number

Service area

M1

Unfenced

A 470

Dual carriageway

A 493

Footbridge

B 4518

Secondary road

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

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

Aqueduct

Canal

Lock

Ford

Beacon

Sand

Dunes

Mud

Cliff

Slopes

Flat rock

Lighthouse (in use)

Lighthouse (disused)

Low water mark

High water mark

Canal (dry)

HEIGHTS

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

ROCK FEATURES

Outcrop

Cliff

Scree

PUBLIC RIGHTS OF WAY

Footpath

Bridleway

Restricted byway

Byway open to all traffic

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

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

Danger Area

Firing and Test Ranges in the area. Danger!

Observe warning notices.

BOUNDARIES

National

District

County, Unitary Authority, Metropolitan District or London Borough

National Park

HISTORICAL FEATURES

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 / roads 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

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

Br Bridge

Cemy Cemetery

CG Cattle grid

CH Clubhouse

Fm Farm

Ho House

MP Milepost

MS Milestone

MUS Museum

P Post office

PC Public convenience (in rural areas)

PH Public house

Sch School

TH Town Hall, Guildhall or equivalent

