OXFORD CAMBRIDGE AND RSA EXAMINATIONS
GCSE

B563/02

GEOGRAPHY B

Key Geographical Themes

(Higher Tier)

WEDNESDAY 3 JUNE 2015: Afternoon
DURATION: 1 hour 45 minutes
plus your additional time allowance

MODIFIED ENLARGED

Candidate forename		Candidate surname	

Centre number						Candidate number				

Candidates answer on the Question Paper.

OCR SUPPLIED MATERIALS:

OS map extract (inserted)
Resource Booklet (B563/A772/01/02/RB – inserted)

OTHER MATERIALS REQUIRED:

None

READ INSTRUCTIONS OVERLEAF

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INSTRUCTIONS TO CANDIDATES

The OS map extract and Resource Booklet will be found inside this document. You may not use all of the resources. The questions tell you which resource(s) you need to use.

Write your name, centre number and candidate number in the boxes on the first page. Please write clearly and in capital letters.

Use black ink. HB pencil may be used for graphs and diagrams only.

Answer ALL the questions.

Read each question carefully. Make sure you know what you have to do before starting your answer.

Write your answer to each question in the space provided. If additional space is required, you should use the lined pages at the end of this booklet. The question number(s) must be clearly shown.

INFORMATION FOR CANDIDATES

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

The total number of marks for this paper is 99.

You will be assessed on the quality of written communication in your answer to the following questions: 1(e), 2(f) and 3(g). Questions marked with a pencil (✎) will carry 3 additional marks for spelling, punctuation and grammar.

Any blank pages are indicated.

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Answer ALL the questions.

SECTION A – Rivers and Coasts

1 Use Figs 1, 2 AND 3 in the Resource Booklet.

(a) Study Fig. 1 which shows hydrographs for a river valley location in 1980 and 2010, after similar rainstorms.

Describe the difference between the peak discharge in 1980 and 2010.
Use data from Fig. 1 to support your answer.

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_____ **[3]**

(b) Study Fig. 2 which shows the landscape of this river valley in 1980 and 2010.

(i) Explain why there was a greater risk of flooding in 2010 than in 1980.

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(ii) Explain how TWO other factors can cause river flooding.

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(c) Give TWO methods used to manage the impact of river flooding.
Explain how EACH method works.

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[4]

(d) Study Fig. 3 which shows evidence of coastal erosion at Skipsea on the Holderness coast.

(i) Describe the impact of coastal erosion on communities such as Skipsea.

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_____ **[4]**

(ii) Fig. 3 shows a destructive coastline. Other coastlines are constructive.
What is meant by 'constructive coastline'?

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(e) CASE STUDY – coastline management

Name an area of coastline where there is a scheme to manage coastal erosion.

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Describe the methods used to manage coastal erosion and describe the conflicts that these methods may cause.
(Include at least THREE developed ideas).

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Spelling, punctuation and grammar [3]

SECTION B – Population and Settlement

2 Use Figs 4, 5, 6 and 7 in the Resource Booklet and the separate OS MAP EXTRACT.

(a) Study the OS MAP EXTRACT which shows an urban area and Fig. 5 which shows an area of housing in the town.

(i) Give a four-figure grid reference of the central business district (CBD) of Oldham.

_____ **[1]**

(ii) The housing area shown in Fig. 5 is located in grid square 9507.

Give TWO pieces of evidence from the photograph that shows this is an edge of town location.

1 _____

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2 _____

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[2]

(b) Study Fig. 4 which shows a different area of housing in the town. It is located at grid reference 927044.

Housing areas like the one shown in Fig. 4 are being knocked down and cleared. Suggest why some people may be against this type of inner city redevelopment where houses are knocked down and cleared.

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(c) Study Fig. 6 which shows a new shopping area. Its location is shown on the separate OS MAP EXTRACT.

Give TWO reasons to explain why the shopping area has been built at this location.

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(d) Explain how this new shopping area may affect the CBD of Oldham.

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(e) Study Fig. 7 which shows two population pyramids for Uganda (an LEDC) and UK (an MEDC).

(i) Describe the difference in the birth rate and life expectancy between the two countries.

Birth rate _____

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Life expectancy _____

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[2]

(ii) **The dependent population of a country consists of the people who are not of working age and do not contribute to the economy of the country.**
Explain how the dependent population will be supported in different ways in the two countries.

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(f) CASE STUDY – population management strategies in a named country

Name a country where population growth has been managed.

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Describe the attempts made to manage natural population change.
Explain how sustainable the management strategies have been.
(Include at least THREE developed ideas).

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Spelling, punctuation and grammar [3]

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SECTION C – Natural Hazards

3 Use Figs 8b and 9 in the Resource Booklet.

(a) Study Fig. 8b, a map showing the location of the ten deadliest volcanoes of the twentieth century and main tectonic plates.

Describe THREE features of the distribution of the volcanoes shown on Fig. 8b.

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[3]

(b) Some volcanoes erupt infrequently.
Give TWO reasons why such volcanoes may be dangerous.

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[2]

(c) Draw an annotated diagram to show how the movement of tectonic plates at a DESTRUCTIVE (CONVERGENT) plate boundary can cause a volcanic eruption.
(Annotated means add written notes to the diagram).

[4]

(d) **Describe and explain TWO methods used to predict volcanic eruptions.**

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[4]

(e) Explain why volcanic activity can have benefits for people who live near a volcano.

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_____ **[4]**

(f) Study Fig. 9, a satellite image of a tropical storm over Japan.

Suggest the likely primary and secondary impacts of the tropical storm as it passes over Japan.

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_____ **[4]**

(g) CASE STUDY – a climatic hazard event in an LEDC

Name the LEDC and state the type of climatic hazard.

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Describe the methods that were used to reduce the impact of the climatic hazard and assess how successful these methods were.
(Include at least THREE developed ideas).

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Spelling, punctuation and grammar [3]

END OF QUESTION PAPER

ADDITIONAL ANSWER SPACE

If additional answer space is required, you should use the following lined page(s). The question number(s) must be clearly shown in the margins.

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