Candidate forename		Candidate surname	

Centre number						Candidate number				

OXFORD CAMBRIDGE AND RSA EXAMINATIONS

GCSE

B563/01

GEOGRAPHY B

Key Geographical Themes (Foundation Tier)

MONDAY 18 JUNE 2012: Morning
DURATION: 1 hour 30 minutes
plus your additional time allowance

MODIFIED ENLARGED

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 in the centre of this document. You may not use all of the resources. The questions tell you which resources you need to use.**
- **Write your name, centre number and candidate number in the boxes above. Please write clearly and in capital letters.**
- **Use black ink. HB pencil may be used for graphs and diagrams only.**
- **Answer THREE questions. Answer ONE question from Section A (EITHER Question 1 OR Question 2), answer ONE question from Section B (EITHER Question 3 OR Question 4) and answer ONE question from Section C (EITHER Question 5 OR Question 6).**
- **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 75.**
- **You will be awarded marks in Questions 1(f), 2(f), 3(f), 4(f), 5(f) and 6(f) for the quality of written communication of your answer.**

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SECTION A

You must answer EITHER Question 1 OR Question 2.

POPULATION AND SETTLEMENT

EITHER

1 Use FIGS 4 and 5 in the Resource Booklet.

(a) Study FIG. 4, a graph which shows the Demographic Transition Model.

(i) At which stage are birth and death rates both high?

Circle the correct answer.

STAGE 1 STAGE 2 STAGE 3 [1]

(ii) During which stage does the birth rate decrease the most?

Circle the correct answer.

STAGE 2 STAGE 3 STAGE 4 [1]

(iii) At which stage does the total population decrease?

_____ **[1]**

(b) Explain why the death rate decreases during Stage 2.

_____

_____

_____

_____

_____

_____

_____

_____ **[4]**

(c) Give TWO reasons to explain why birth rates are high in most LEDCs.

Reason 1 _____

_____

_____

_____

Reason 2 _____

_____

_____

_____ **[4]**

(d) Study FIG. 5, a Family Health Services poster from Kenya, East Africa.
Suggest how these Family Health Services could affect birth rates and death rates in Kenya.

_____

_____

_____

_____

_____

_____

_____

_____ **[4]**

(e) Information about a country's population can be shown in a population pyramid.
State TWO pieces of information which are shown in a population pyramid.

1 _____

2 _____ **[2]**

(f) CASE STUDY – AN EXAMPLE OF INTERNATIONAL MIGRATION

- **Name the country where people migrated FROM.**

_____

- **Name the country where people migrated TO.**

_____

- **Explain, with detail, the causes of the migration.**

_____

_____

_____

_____

_____

_____

_____

_____

- **Describe, with detail, the consequences of the migration for ONE of the countries.**

_____

_____

_____

_____

_____

_____

_____

_____ **[8]**

[Total marks: 25]

END OF QUESTION 1

OR

2 Use the OS map extract.

(a) Study the OS map extract of the Nottingham area.

(i) Give the 6 figure grid reference of Lowdham railway station.

Circle the correct answer.

645433 662468 673459 [1]

(ii) What is the direction along the railway from Lowdham station to the principal railway station in the centre of Nottingham, in grid square 5739?

Circle the correct answer.

NORTH EAST SOUTH EAST

SOUTH WEST [1]

(iii) Give the number of the A road which goes from Lowdham to Nottingham.

A _____ [1]

(b) (i) What type of settlement is Lowdham?

Circle the correct answer.

HAMLET VILLAGE TOWN [1]

(ii) What type of settlement is Nottingham?

Circle the correct answer.

HAMLET VILLAGE CITY [1]

(c) Suggest why some people have moved from Nottingham to live in settlements like Lowdham.

_____

_____

_____

_____

_____

_____

_____

_____ **[4]**

(d) Suggest why people who live in Lowdham would go to the centre of Nottingham.

_____

_____

_____

_____

_____

_____

_____

_____ **[4]**

(e) New people moving into settlements like Lowdham can bring advantages and disadvantages for the local residents. Explain ONE advantage and ONE disadvantage.

Advantage _____

_____

_____

_____

Disadvantage _____

_____

_____

_____ **[4]**

(f) CASE STUDY – AN EXAMPLE OF A LAND USE CHANGE IN AN URBAN AREA

- **Name the urban area.**

_____

- **Describe, with detail, ONE land use change in the urban area.**

_____

_____

_____

_____

_____

_____

_____

_____

- **Explain, with detail, how the land use change affected the local people.**

_____

_____

_____

_____

_____

_____

_____

_____ **[8]**

[Total marks: 25]

END OF QUESTION 2

SECTION B

You must answer EITHER Question 3 OR Question 4.

NATURAL HAZARDS

EITHER

3 Use FIGS 6 and 7 in the Resource Booklet.

(a) Study FIG. 6, a map which shows the global locations of major tropical storms.
In different parts of the world tropical storms are also known as cyclones, hurricanes or typhoons.

(i) Name the ocean where cyclones form.

_____ **[1]**

(ii) Name the continent most affected by typhoons.

_____ **[1]**

(iii) Tick (✓) the correct statement to describe where hurricanes form.

☐ **BETWEEN THE EQUATOR AND THE TROPIC OF CANCER**

☐ **BETWEEN THE EQUATOR AND THE TROPIC OF CAPRICORN**

☐ **SOUTH OF THE TROPIC OF CAPRICORN**

[1]

(b) Study FIG. 7, a satellite image of Hurricane Bill in 2009.

Give TWO pieces of evidence which show that this is a tropical storm.

1 _____

2 _____ **[2]**

(c) Describe, with detail, the weather conditions during a tropical storm.

_____

_____

_____

_____

_____

_____

_____

_____ **[4]**

(d) Explain why some tropical storms cause many deaths.

_____

_____

_____

_____

_____

_____

_____

_____ **[4]**

(e) Give TWO reasons to explain why people continue to live in places which have tropical storms.

Reason 1 _____

_____

_____

_____

Reason 2 _____

_____

_____

_____ **[4]**

(f) CASE STUDY – AN EXAMPLE OF AN MEDC PLACE WHICH HAS EXPERIENCED A CLIMATIC HAZARD (SUCH AS A DROUGHT OR A TROPICAL STORM)

- **Name the MEDC place.**

_____

- **State the type of climatic hazard.**

_____

- **Describe, with detail, the methods used to protect people from the impact of the climatic hazard for your chosen MEDC place.**

_____

_____

_____

_____

_____

_____

_____

_____

- **Explain, with detail, how successful these protection methods were.**

_____

_____

_____

_____

_____

_____

_____

_____ **[8]**

[Total marks: 25]

END OF QUESTION 3

OR

4 Use FIGS 8a and 8b in the Resource Booklet.

(a) Study FIG. 8a a map showing the locations of the deadliest earthquakes in each year (measured by number of deaths) from 2000 to 2010.

Circle the correct answer to complete the following sentence:

Most earthquakes are located

AWAY FROM / EXACTLY ON / NEAR TO

the plate boundaries. [1]

(b) Study FIG. 8b, an information table for the world's deadliest earthquakes, 2000 to 2010.

(i) State the highest Richter Scale magnitude for an earthquake shown in FIG. 8b.

_____ [1]

(ii) State the lowest number of deaths caused by an earthquake shown in FIG. 8b.

_____ [1]

(c) Give TWO measurements, other than number of deaths, which can show the impact of earthquakes.

1 _____

2 _____ **[2]**

(d) Suggest reasons to explain why some earthquakes cause many deaths.

_____

_____

_____

_____

_____

_____

_____

_____ **[4]**

(e) People try to reduce the impact of earthquakes by PREDICTION and PROTECTION.

(i) Describe, with detail, TWO ways used to PREDICT earthquakes.

Way 1 _____

_____

_____

_____

Way 2 _____

_____

_____

_____ **[4]**

(ii) **State TWO methods which are used to PROTECT people from earthquakes. Explain how each method works.**

Method 1 _____

_____

_____

_____

Method 2 _____

_____

_____

_____ **[4]**

(f) CASE STUDY – AN EXAMPLE OF AN MEDC PLACE WHICH EXPERIENCED A TECTONIC HAZARD EVENT (SUCH AS AN EARTHQUAKE OR A VOLCANIC ERUPTION)

- **Name the MEDC place.**

  _____

- **State the type of tectonic hazard event.**

  _____

- **Describe, with detail, problems faced by the local people in your chosen MEDC place after the tectonic hazard event.**

  _____

  _____

  _____

  _____

  _____

  _____

  _____

  _____

- **Explain, with detail, the natural processes which caused the tectonic hazard event.**

_____

_____

_____

_____

_____

_____

_____

_____ **[8]**

[Total marks: 25]

END OF QUESTION 4

SECTION C

You must answer EITHER Question 5 OR Question 6.

ECONOMIC DEVELOPMENT

EITHER

5 Use FIG. 9a in the Resource Booklet.

(a) Study FIG. 9a, a scattergraph showing GDP per person and infant mortality.

(i) Which country had the highest infant mortality rate?

_____ **[1]**

(ii) State the GDP per person for Malaysia.

_____ **thousand $US [1]**

(iii) Complete the sentence below to describe the relationship shown by FIG. 9a.

Circle the correct word.

Countries with a high GDP per person have

HIGH / INCREASING / LOW

infant mortality rates. [1]

(b) Explain why a country's level of development affects its infant mortality rate.

_____

_____

_____

_____

_____

_____

_____

_____ **[4]**

(c) Describe and explain how the following indicators could change as a country develops.

Percentage of people who can read and write

_____

_____

_____

_____

Percentage of people with internet access

_____

_____

_____

_____ **[4]**

(d) Life expectancy is another indicator of a country's level of development.

What is life expectancy?

_____

_____ **[2]**

(e) Many LEDCs receive aid to help with their long-term development.
Explain ONE benefit and ONE problem of aid for LEDCs.

Benefit _____

_____

_____

_____

Problem _____

_____

_____

_____ **[4]**

(f) CASE STUDY – AN EXAMPLE OF AN AID PROJECT IN AN LEDC

- **Name the LEDC.**

_____

- **Describe, with detail, the main features of the aid project.**

_____

_____

_____

_____

_____

_____

_____

_____

- **Explain, with detail, how the aid project affected the quality of life of the people in the LEDC.**

_____

_____

_____

_____

_____

_____

_____

_____ **[8]**

[Total marks: 25]

END OF QUESTION 5

OR

6 Use FIGS 12 and 14 in the Resource Booklet.

(a) Complete the following table about different types of industry.

TYPE OF INDUSTRY	DEFINITION	EXAMPLE
Primary	Provides raw materials	
Secondary	Makes or manufactures products	Steel making
Tertiary		Nursing

[2]

(b) Study FIG. 12, which shows the employment structure of the UK.

(i) What percentage of the UK working population worked in primary industry in 1960?

_____% [1]

(ii) Circle the correct answer to complete the following sentence.

Between 1960 and 2010 the percentage of the UK working population in primary industry

DECREASED / INCREASED /

STAYED THE SAME [1]

(iii) Which sector of UK industry employed the most people in 1960?

_____ [1]

(c) Jobs have been lost in many secondary industries in the UK and jobs have increased in tertiary industries.

(i) Explain the loss of jobs in secondary industries.

_____

_____

_____

_____ [2]

(ii) Explain the increase of jobs in tertiary industries.

_____

_____

_____

_____ [2]

(d) Study FIG. 14, a diagram showing the greenhouse effect which is a cause of global warming.

Explain TWO ways in which economic activities could be increasing the greenhouse effect.

Way 1 _____

_____

_____

_____

Way 2 _____

_____

_____

_____ **[4]**

(e) **Describe, with detail, TWO possible effects of global warming.**

Effect 1 _____

_____

_____

_____

Effect 2 _____

_____

_____

_____ **[4]**

(f) CASE STUDY – AN EXAMPLE OF A MULTI-NATIONAL COMPANY IN A NAMED COUNTRY

- **Name of your chosen multi-national company.**

  _____

- **Name of ONE country in which this multi-national company operates.**

  _____

- **What are the ADVANTAGES of this multi-national company for the people who live in your chosen country? Explain your answer, with detail.**

  _____

  _____

  _____

  _____

  _____

  _____

  _____

  _____

- **What are the DISADVANTAGES of this multi-national company for the people who live in your chosen country? Explain your answer, with detail.**

_____

_____

_____

_____

_____

_____

_____

_____ **[8]**

[Total marks: 25]

END OF QUESTION 6

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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