

Thursday 22 May 2014 – Morning**GCSE GEOGRAPHY B****B563/02 Key Geographical Themes (Higher Tier)**

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

Duration: 1 hour 45 minutes

Candidate forename					Candidate surname				
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Centre number						Candidate number			
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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 above. 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.
- Do **not** write in the bar codes.

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(g) and 3(f). Questions marked with a pencil (✉) will carry **3** additional marks for spelling, punctuation and grammar.
- This document consists of **16** pages. Any blank pages are indicated.

SECTION A – Rivers and Coasts

1 Use **Figs 1 and 3** in the Resource Booklet and the separate OS map extract.

(a) Study the separate OS map extract, which shows the area around Swanage, Dorset.

- (i) South Haven Point, in the north east of the map extract, is linked to Sandbanks by a ferry. Give the 6 figure grid reference of the ferry terminus at South Haven Point.

..... [1]

- (ii) Sandbanks (in and around grid square 0487) is built on a spit. Which **one** of the following is the correct definition of a spit? Tick (✓) the correct answer.

- a high, rocky cliff which sticks out into the sea
- a long beach, with sand dunes behind it, located in a bay
- an island formed when a headland is eroded away
- a ridge of sand or shingle growing out from the coast

[1]

- (iii) Explain how the spit at Sandbanks has been formed.

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[4]

- (b) Study **Fig. 1**, which shows the geology of the area south of grid line 84 on the separate OS map extract.

Explain how the geology has affected the natural coastal landforms in this area.

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[4]

- (c) Study **Fig. 3**, a photograph of High Force waterfall on the River Tees.

Explain how named processes of erosion have led to the formation of High Force waterfall.

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[4]

(d) A floodplain and a meander are features of the lower course of a river.

(i) Describe, in detail, a floodplain.

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(ii) Explain how a meander is formed.

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(e) CASE STUDY – river flooding

Name a river where flooding has occurred.

Explain the causes of the flood and explain how it affected people living in the area. (Include at least **three** developed ideas.)

..... [9]
+
 Spelling, punctuation and grammar [3]

END OF QUESTION 1

SECTION B – Population and Settlement

2 Use **Figs 4** and **5** in the Resource Booklet.

(a) Study **Fig. 4**, a map showing migration routes from Africa to Europe.

Describe the pattern of migration routes shown in **Fig. 4**.

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[3]

(b) Suggest **two pull** factors to explain why people migrate to Europe from Africa.

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- (c) Explain the possible effects of migration in countries from which large numbers of people have migrated.

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- (d) Study **Fig. 5**, a graph showing population change in Kenya, an LEDC, from 1970 to 2030 (projected).

The population in Kenya is changing because the death rate is decreasing. Explain why the death rate is decreasing.

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- (e) If the trend shown in Fig. 5 continues Kenya could experience overpopulation. What is meant by the term 'overpopulation'?

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[2]

- (f) Explain, in detail, **two** effects of overpopulation in an LEDC such as Kenya.

[4]

(g) CASE STUDY – urban change

Name an urban area where there has been recent development.

Describe how the urban area has been changed through development. Explain why this change has happened.
(Include at least **three** developed ideas.)

[9]

END OF QUESTION 2

SECTION C – Economic Development

3 Use **Figs 6, 7, 8** and **9** in the Resource Booklet.

- (a) Study **Fig. 6**, which shows the sugar beet growing area and sugar factories in eastern England.

Give **two** pieces of evidence that show a raw material location is important in this industry.

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[2]

- (b) Study **Fig. 7**, a photograph of a sugar factory at Bury St Edmunds, and **Fig. 8**, an OS map extract which shows the area around the sugar factory.
The sugar factory is located in grid squares 8565 and 8665.

- (i) In which direction was the camera pointing when the photograph in **Fig. 7** was taken?

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- (ii) Use map evidence to identify and explain **two** reasons for the location of this sugar factory.

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[4]

- (c) The sugar beet factory could affect the physical environment.

For **one** other economic activity explain how it can affect the physical environment.

Economic activity.....

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[4]

- (d) Study **Fig. 9**, a scattergraph which shows changes in life expectancy and average income per person for selected countries between 1990 and 2010.

- (i) Compare changes in life expectancy between Vietnam and Canada from 1990 to 2010. Use data to support your answer.

[2]

[2]

- (ii) Suggest why changes in average income per person affect life expectancy in an LEDC, such as Vietnam.

[4]

(e) MEDCs give aid to LEDCs.

Explain **two** advantages for LEDCs of receiving aid.

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[4]

(f)  CASE STUDY – a multi-national company (MNC)

Name an MNC and **one** country where it operates.

Explain why the MNC operates in many countries and explain how this MNC affects the country you have named.
(Include at least **three** developed ideas.)

[9]

 Spelling, punctuation and grammar [3]

END OF QUESTION 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.

A large sheet of paper featuring a vertical margin line on the left side. To the right of this margin line are 21 horizontal dotted lines, spaced evenly down the page, providing lines for handwriting practice or additional answers.



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