



B O A R D O F S T U D I E S
NEW SOUTH WALES

2008

**HIGHER SCHOOL CERTIFICATE
EXAMINATION**

Geography

General Instructions

- Reading time – 5 minutes
- Working time – 3 hours
- Write using black or blue pen
- Board-approved calculators may be used
- A Stimulus Booklet is provided with this paper
- Write your Centre Number and Student Number at the top of pages 9, 11 and 13

Total marks – 100

Section I Pages 2–5

15 marks

- Attempt Questions 1–15
- Allow about 25 minutes for this section

Section II Pages 9–13

25 marks

- Attempt Questions 16–18
- Allow about 45 minutes for this section

Section III Page 15

60 marks

- Attempt Questions 19–21
- Allow about 1 hour and 50 minutes for this section

Section I

15 marks

Attempt Questions 1–15

Allow about 25 minutes for this section

Refer to the Stimulus Booklet

Use the multiple-choice answer sheet for Questions 1–15.

Refer to Source A to answer Questions 1–3.

- 1 What is the approximate direction of Winchcombe from Long Compton?
 - (A) ENE
 - (B) ESE
 - (C) WNW
 - (D) WSW

- 2 What is the Index of Multiple Deprivation (IMD) of Long Compton?
 - (A) 1.3 to 5
 - (B) 6.5 to 7.8
 - (C) 7.8 to 9.8
 - (D) 12.7 to 33.7

- 3 Which factors, when combined, contribute most in determining the IMD?
 - (A) Income and Employment
 - (B) Income and Education, Skills and Training
 - (C) Income, Crime, and Health Deprivation and Disability
 - (D) Income, Barriers to Housing and Services, and Living Environment

Refer to Source B to answer Questions 4–5.

- 4** Approximately what percentage of the Area of Outstanding Natural Beauty was permanent grass in 2004?
- (A) 26%
 - (B) 39%
 - (C) 65%
 - (D) 71%
- 5** Which land use showed the greatest relative change between 2001 and 2004?
- (A) Set-aside
 - (B) Rough grazing
 - (C) Crops and fallow
 - (D) Permanent grass

Refer to Source C to answer Question 6.

- 6** What is the approximate barometric pressure at Aberdeen?
- (A) 988 hPa
 - (B) 990 hPa
 - (C) 992 hPa
 - (D) 994 hPa

Refer to Sources A and C to answer Question 7.

- 7** What changes in the weather were experienced in the Cotswolds on 6 October 2005?
- (A) Decrease in temperature and increasing cloud cover
 - (B) Increase in temperature and increasing cloud cover
 - (C) Decrease in temperature and decreasing cloud cover
 - (D) Increase in temperature and decreasing cloud cover

Refer to Source D to answer Question 8.

8 Which food chain represents the energy flow shown in the English estuary ecosystem?

- (A) Bladder wrack → crab → cockle → oystercatcher
- (B) Sea aster → periwinkle → spire shells → oystercatcher
- (C) Glasswort → detritus → shrimp → oystercatcher
- (D) Lugworm → cockle → mussel → oystercatcher

Refer to Source E to answer Questions 9–13.

9 Where was the photographer when the photograph of Papermill Farm (AR 0732) was taken?

- (A) GR 072323
- (B) GR 077327
- (C) GR 061322
- (D) GR 064315

10 What is the gradient between Orchards Farm (GR 033289) and the summit of Salter's Hill (GR 045287)?

- (A) 1 : 0.1
- (B) 1 : 1.2
- (C) 1 : 4.8
- (D) 1 : 7.6

11 What is the aspect of Hailes Wood in AR 0530?

- (A) North East
- (B) North West
- (C) South East
- (D) South West

- 12** How long would it take to walk along the Cotswold Way from Stanway House (GR 061325) to Stanton car park (GR 067343), walking at 6 km per hour?
- (A) 2 mins
 - (B) 10 mins
 - (C) 20 mins
 - (D) 30 mins
- 13** What is the vertical exaggeration of a cross-section drawn using the Cotswolds map with a vertical scale of 1 cm represents 50 m?
- (A) 4
 - (B) 8
 - (C) 16
 - (D) 800

Refer to Source F to answer Questions 14–15.

- 14** Approximately how many people are living in urban slums in Africa?
- (A) 18.7 million
 - (B) 38.6 million
 - (C) 187 million
 - (D) 386 million
- 15** Which of the following cities is expected to experience the greatest increase in the number of people between 2003 and 2015?
- (A) Delhi, India
 - (B) Mumbai, India
 - (C) Jakarta, Indonesia
 - (D) Dhaka, Bangladesh

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Geography

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Centre Number

Section II

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Student Number

25 marks

Attempt Questions 16–18

Allow about 45 minutes for this section

Use the Stimulus Booklet and your knowledge of geography to answer Questions 16–18 in the spaces provided.

Marks

Question 16 (8 marks)

Refer to Source D to answer parts (a)–(b).

- (a) How is the English estuary ecosystem both vulnerable and resilient to natural stress? **4**

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- (b) Explain how human-induced modifications to energy flows would affect this ecosystem. **4**

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Centre Number

Section II (continued)

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Student Number

Marks

Question 17 (8 marks)

- (a) How have technological factors affected the future directions of ONE global economic activity? **3**

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- (b) Explain how political and sociocultural factors have affected the spatial patterns of ONE global economic activity. **5**

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Geography

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Centre Number

Section II (continued)

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Student Number

Marks

Question 18 (9 marks)

- (a) Describe TWO challenges for people living in mega cities in the developing world. **4**

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- (b) Explain ONE response of people to the challenges of living in mega cities in the developing world. **5**

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Geography

Section III

60 marks

Attempt Questions 19–21

Allow about 1 hour and 50 minutes for this section

Answer each question in a SEPARATE writing booklet. Extra writing booklets are available.

In your answers you will be assessed on how well you:

- present a sustained, logical and well-structured answer to the question
 - communicate geographical information, ideas and issues
 - refer to appropriate case studies, illustrative examples and the Stimulus Booklet where appropriate
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Question 19 (20 marks)

Analyse the impacts of at least TWO urban dynamics operating in a large city of the developed world.

Question 20 (20 marks)

Compare the nature and rate of change that affect the functioning of TWO different ecosystems at risk.

Question 21 (20 marks)

Explain how global changes in an economic activity affect the linkages and flows of people, goods, services and ideas associated with a local economic enterprise.

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