

2005 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, 13 and 15

Total marks - 100

Section I Pages 2–6

15 marks

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

Section II Pages 9–15

25 marks

- Attempt Questions 16–19
- Allow about 45 minutes for this section

Section III Page 17

60 marks

- Attempt Questions 20–22
- 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

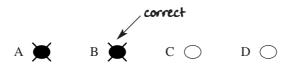
Use the multiple-choice answer sheet.

Select the alternative A, B, C or D that best answers the question. Fill in the response oval completely.

Sample: $2 + 4 = (A) \ 2 (B) \ 6 (C) \ 8 (D) \ 9$ $A \bigcirc B \bigcirc C \bigcirc D \bigcirc$

If you think you have made a mistake, put a cross through the incorrect answer and fill in the new answer.

If you change your mind and have crossed out what you consider to be the correct answer, then indicate the correct answer by writing the word **correct** and drawing an arrow as follows.



Refer to Sources A and B to answer Question 1.

1

What is the name of the island located at *W*?

	(A)	Cape Barren
	(B)	Flinders
	(C)	Hunter
	(D)	King
Ref	er to S	ource B to answer Question 2.
2		t is the average gradient between the spot height at point X and the spot height at chmans Cap (42°20'S 145°45'E)?
	(A)	1:129
	(B)	1:135
	(C)	1:1300
	(D)	1:1573
Ref	er to S	ource C to answer Question 3.
3	Wha	t is the vertical exaggeration of the cross-section from X to Y ?
	(A)	40
	(B)	80
	(C)	200
	(D)	1000
4		ch of the following urban dynamics is a response to environmental decline in large s in the developed world?
	(A)	Counterurbanisation
	(B)	Suburbanisation
	(C)	Sustainability
	(D)	Urban village

Refer to Source D to answer Questions 5–7.

5	What	t is the area in square kilometres of Thomsons Lake centred on AR 8942?
	(A)	1.8
	(B)	2.3
	(C)	2.8
	(D)	3.3
6	What	t is the density of buildings in AR 8226?
	(A)	2 per km ²
	(B)	6 per km ²
	(C)	7 per km ²
	(D)	9 per km ²
7	What	t is the bearing of the golf course in AR 8027 from the golf course in AR 8631?
	(A)	60°
	(B)	240°
	(C)	NE
	(D)	SW
Refe	r to Sc	ources B, D, E and F to answer Question 8.
8	Whic	ch source has the smallest scale?
	(A)	Source B
	(B)	Source D
	(C)	Source E
	(D)	Source F

Refer to Sources D and E to answer Question 9.

- **9** Which direction was the photographer facing when the photograph was taken?
 - (A) NE
 - (B) NW
 - (C) SE
 - (D) SW

Refer to Sources D and F to answer Question 10.

- 10 What is the scale of the Landsat image?
 - (A) 1:20 000
 - (B) 1:30 000
 - (C) 1:200 000
 - (D) 1:300 000
- 11 Which of the following statements best describes the term *ecosystem*?
 - (A) The variety of living organisms on Earth and their interactions
 - (B) The realm of Earth that includes all plant and animal life-forms
 - (C) The interaction of living organisms with each other and their environment
 - (D) The total surroundings including the cultural, social, political and economic contexts of people

Refer to Source G to answer Questions 12 and 13.

35–39 and the percentage of females aged 35–39?

12

	(A)	0.6%
	(B)	4.1%
	(C)	4.7%
	(D)	8.8%
13	Whic	ch of the following statements describes a projected change between 1999 and 2025?
	(A)	The size of the population will increase.
	(B)	There will be fewer 50–59 year-old males.
	(C)	There will be more 40–49 year-old females.
	(D)	The proportion of people over the age of 60 will increase.
Refe	r to So	ource H to answer Question 14.
14	How	many million German residents in 1999 were born in Turkey?
	(A)	0.5
	(B)	1.6
	(C)	2.1
	(D)	3.8
Refe	r to So	ources G and H to answer Question 15.
15		t percentage of the total German population in 1999 was from the former oslavia?
	(A)	1.0
	(B)	1.5
	(C)	2.0
	(D)	2.5

In Germany in 1999, what was the difference between the percentage of males aged

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Atte	narks empt Questions 16–19 ow about 45 minutes for this section						Stı	uden	t Nu:	mber
	the Stimulus Booklet and your knowledge of ge	ograj	phy t	o ans	swer	Ques	stion	s 16-	-19 i	n the
Que	Marks Question 16 (5 marks)									
Refe	er to Source D on page 2 of the Stimulus Bookle	et to	answ	er pa	art (a	.).				
(a)	Identify TWO economic activities evident o location of ONE of these activities.	n the	e ma	p, aı	nd a	ccou	nt fo	r the	2	3
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Question 16 continues on page 10

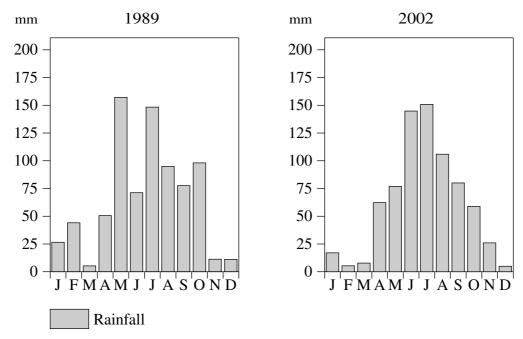
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2

Question 16 (continued)

Refer to the graphs below to answer part (b).

Rainfall graphs for Rockingham



Images were sourced from the Australian Greenhouse Officer, Copyright Commonwealth of Australia 2004

The greenkeeper at a Rockingham golf course will use the rainfall graphs to determine the amount of water that will be needed to maintain the golf course in 2006.

(b)	Evaluate the reliability of using data from these rainfall graphs for 2006.

End of Question 16

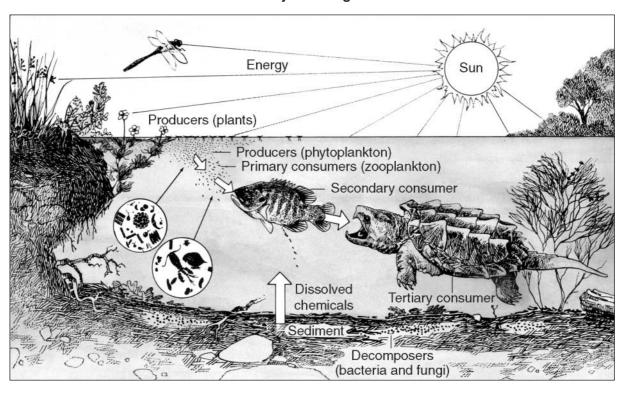
Question 17 (5 marks)

(b)

(a)	What is <i>genetic diversity</i> ?	1

Refer to the ecosystem diagram below to answer part (b).

Ecosystem diagram



Explain how over-fishing of the secondary consumer in the ecosystem shown could affect the diversity and functioning of the ecosystem.

Ge	eography Centre I Student I	Number Number
Que:	estion 18 (7 marks)	Marks
	er to the ternary graph to answer parts (a) and (b).	
	Structure of the German economy (by sector, % for 1999 and 2025 projected)	
	* 2025 (projected) *** *** *** *** *** *** ***	
(a)	What percentage of the German economy was made up of the Tertiary (services) sector in 1999?	1
(b)	Identify TWO different changes that may occur in the structure of the German economy between 1999 and 2025.	2

Question 18 continues on page 14

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Ques	etion 18 (continued)	Marks
(c)	Identify and describe the spatial patterns of ONE economic activity in a global context.	4

End of Question 18

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Sect	ion II (continued)								INU	
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Que	stion 19 (8 marks)									
(a)	Identify and outline ONE urban dynamic of study of a country town or suburb.	chan	ge, v	vith	refe	rence	to a	case	e	4
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(b)	Describe, with reference to examples, the cha	ıracteı	r of v	vorlo	d citi	es.				4
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Section III

60 marks

Attempt Questions 20–22

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

Question 20 (20 marks)

Account for the vulnerability and resilience of ecosystems.

Question 21 (20 marks)

Explain the relationships of dominance and dependence between world cities and other urban centres.

Question 22 (20 marks)

Describe how environmental constraints and human impacts influence the nature of an economic enterprise you have studied at a local scale.

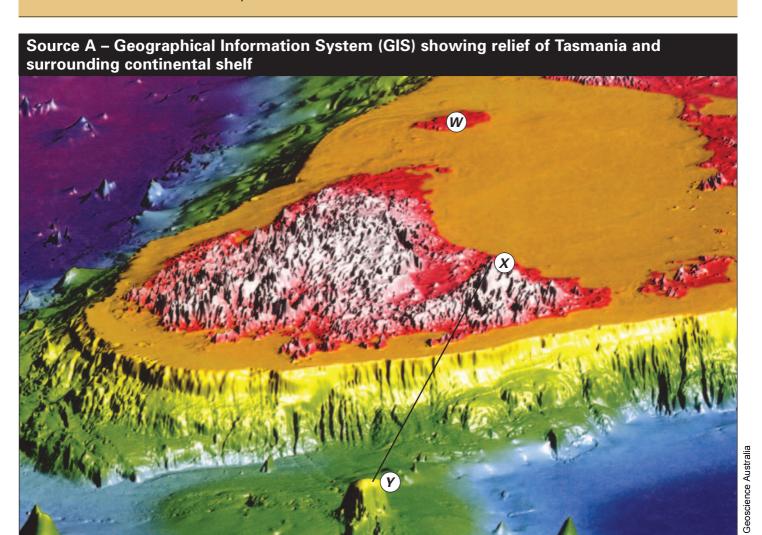
End of paper

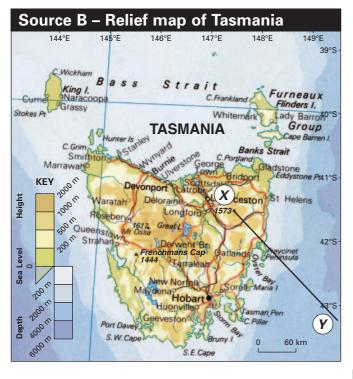
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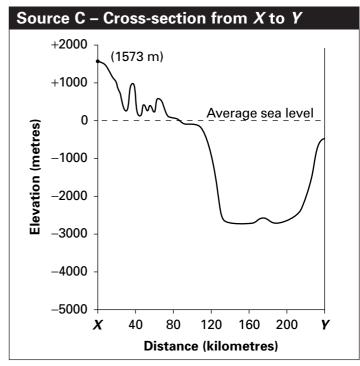
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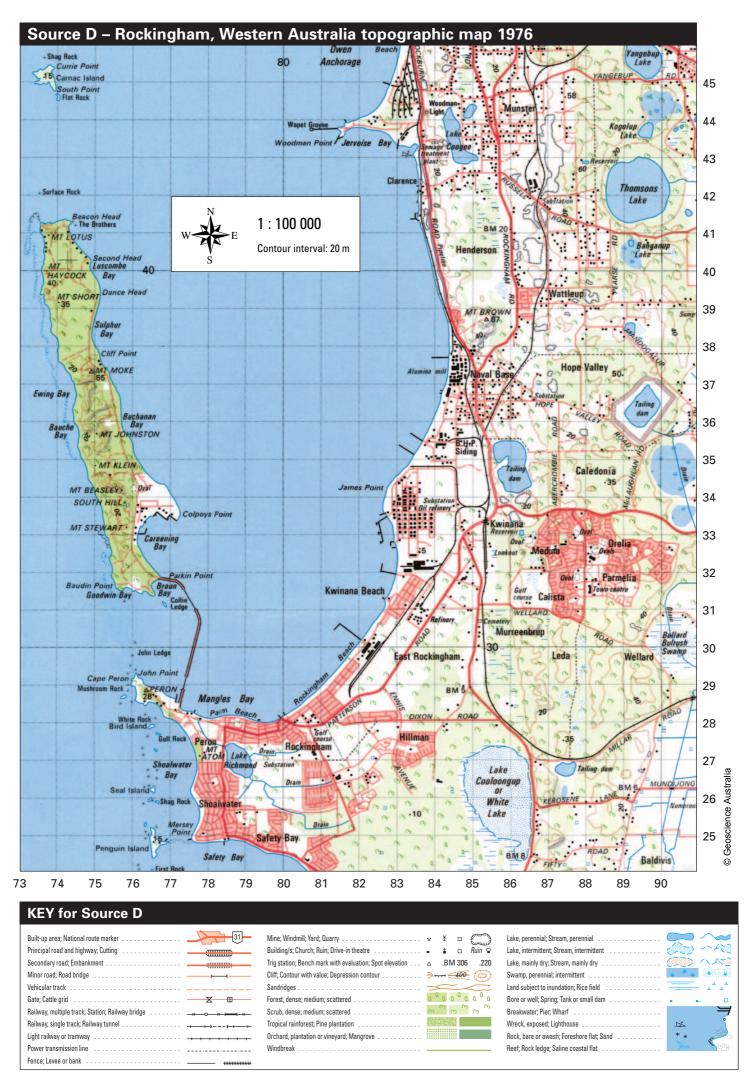


Geography Stimulus Booklet

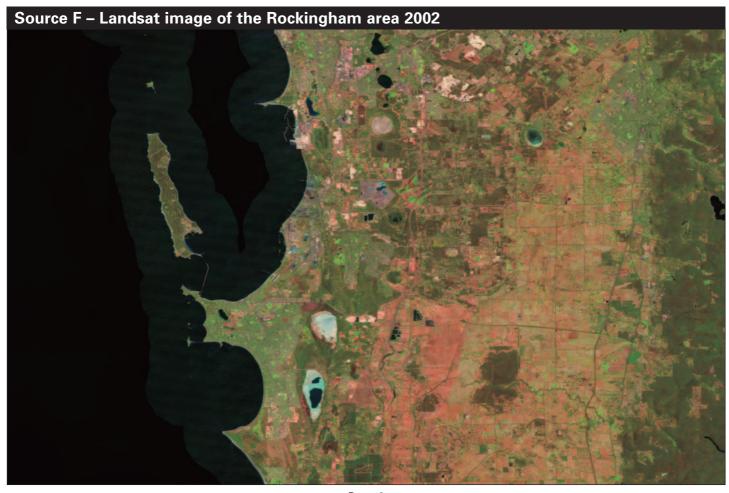












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