

2009 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 9–14

25 marks

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

Section III Page 15

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 for Questions 1–15.

Refer to Source A to answer Questions 1–4.

	1	A hiking accident has	occurred at the	footbridge at	GR 218898
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What is the grid reference of the closest helicopter landing ground?

- (A) GR 210884
- (B) GR 221874
- (C) GR 221885
- (D) GR 230886
- 2 You are camping at GR 206895. What is the aspect of the slope?
 - (A) South-East
 - (B) South-West
 - (C) North-East
 - (D) North-West
- **3** What is the approximate area of Rara Lake?
 - (A) 1 km^2
 - (B) 10 km^2
 - (C) 20 km²
 - (D) 100 km^2

	(B)	1:4
	(C)	1:24
	(D)	0.24
Refe	r to So	ource B to answer Questions 5–7.
5	What	t is the latitude and longitude of Kathmandu?
	(A)	85°19'E 27°49'N
	(B)	85°19'E 27°49'S
	(C)	27°49'S 85°19'E
	(D)	27°49'N 85°19'E

6	What	t is the bearing of Rara Lake from Pokhara?
	(A)	130°
	(B)	140°
	(C)	310°
	(D)	320°
7	What	t kind of map is Source B?
•		
	(A)	Cadastral
	(B)	Choropleth
	(C)	Navigational
	(D)	Topographic

– 3 –

What is the average gradient between the spot height at GR 218888 and the point where the stream enters Rara Lake at GR 215884?

4

(A) 4.1

Refer to Source C to answer Questions 8–10.

Ker	1 10 3	outce C to answer Questions 6–10.
8		t is the length of the aluminium cableway from the ALBA Marine Terminal Jetty to ALBA Aluminium Smelter in the southeast quadrant of the map?
	(A)	9.2 km
	(B)	9.6 km
	(C)	10.1 km
	(D)	10.4 km
9		are travelling from 26°09'N 50°37'E to Bahrain International Airport, following ways 31, 34, 37 and 22.
	Whi	ch sequence of land use features would you see on your journey?
	(A)	Irrigated area; salt marsh; built-up area; causeway
	(B)	Oil storage; causeway; industrial area; built-up area
	(C)	Built-up area; oil storage; coral reef; industrial area
	(D)	Causeway; built-up area; golf course; causeway
10		t human activities would have the most direct impact on the coral reef ecosystem in outheast quadrant of the map?
	(A)	Oil refining and aluminium smelting
	(B)	Irrigated agriculture and horse racing
	(C)	Golf course maintenance and ship building
	(D)	Aluminium smelting and international hotels
11	Refe	er to Sources D and F. The Pearl Roundabout is located at 26°14'N 50°35'E.
	Wha	t direction was the photographer facing when the photograph in Source F was taken?
	(A)	East
	(B)	North
	(C)	South
	(D)	West

Refer to Source G to answer Questions 12–13.

	1 10 50	outce of to answer Questions 12–13.					
12	Which of these countries has the smallest Islamic population?						
	(A)	Australia					
	(B)	Bahrain					
	(C)	United Kingdom					
	(D)	USA					
13	Whic	ch of these countries has the greatest percentage of population that is Islamic?					
	(A)	Kuwait					
	(B)	Bahrain					
	(C)	Indonesia					
	(D)	Saudi Arabia					
Refe	er to Se	ources G and H to answer Questions 14–15.					
14	•	is London a less important centre than Al Manama in the Islamic financial archy?					
	(A)	London has fewer Islamic financial services.					
	(B)	Bahrain has a larger population than the United Kingdom.					
	(C)	Al Manama is only connected with centres in the Islamic world.					
	(D)	The United Kingdom has a smaller Islamic population than Bahrain.					
15		which city does Al Manama have the greatest volume of intercity financial ections?					
	(A)	Alger					
	(B)	Dubai					
	(C)	Karachi					
	(D)	Istanbul					

Geography					\\entre	· Niii	Number		
Section II						- T (GI			
25 marks Attempt Questions 16–19 Allow about 45 minutes for this section									
	the Stimulus Booklet and your knowledge of geography es provided.	to ans	wer Q	uestion	s 16-	-19 iı	n the		
Que	stion 16 (8 marks)								
(a)	From Source C, identify ONE feature that could be c at risk and ONE feature that could be classified as an					1			
	(i) Ecosystem at risk						1		
	(ii) Economic enterprise						1		
(b)	From Source C, give reasons for the location of the ecin part (a).	conomi	c ente	rprise n	amed	l	2		
						•			
		••••••	•••••	••••••	•••••	•			
			•••••	•••••	•••••	•			

Question 16 continues on page 10

374a — 9 —

Question 16 (continued)

	Focus question:
i)	Explain how the primary data will be gathered.

End of Question 16

Geography									
					Centre Number				
Section II (continued)									
						Stı	ıden	t Nu	nber
Question 17 (8 marks)									

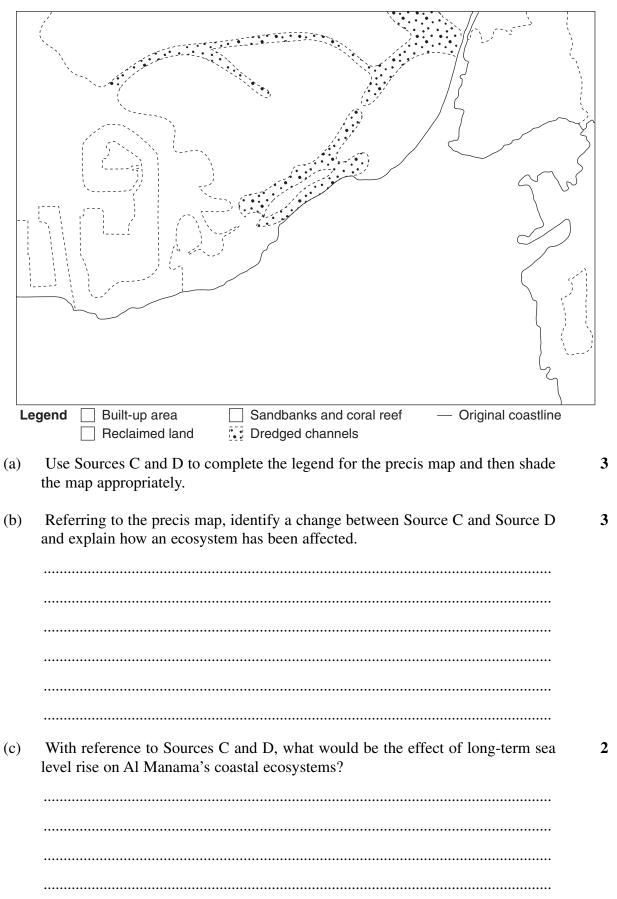
Question 17 (8 marks)

Please turn over

– 11 – 374b

Question 17 (8 marks)

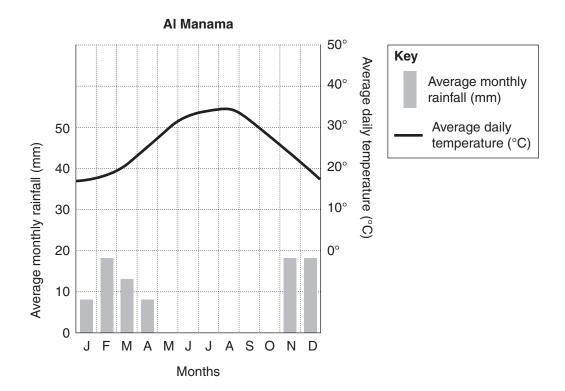
The diagram shows a precis map of Source D.



End of Question 17

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Question 18 (3 marks)



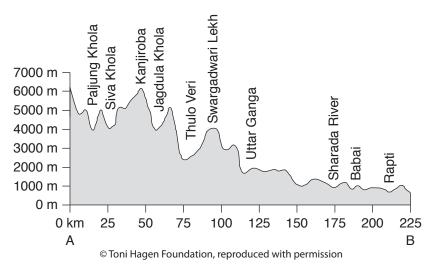
Explain how the pattern of climate shown in the graph could affect outdoor tourist activities in the Al Manama region.	3

374c - 13 -

Question 19 (6 marks)

The diagram shows the cross-section A to B from Source B.

Cross-section A-B from Source B



(a) Calculate the vertical exaggeration of the cross-section shown above.

VE =

(b) By referring to Sources A, B and E, describe the effects of latitude, altitude, precipitation and vegetation on the Rara Lake environment.

2

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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)

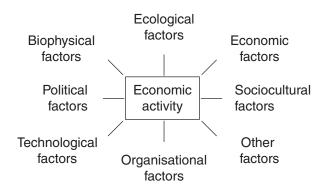
Demonstrate why world cities are powerful centres of economic and cultural authority.

Question 21 (20 marks)

Evaluate the importance of ecosystem management and protection.

Question 22 (20 marks)

Explain possible future directions of an economic activity with reference to THREE of the factors shown in the diagram.



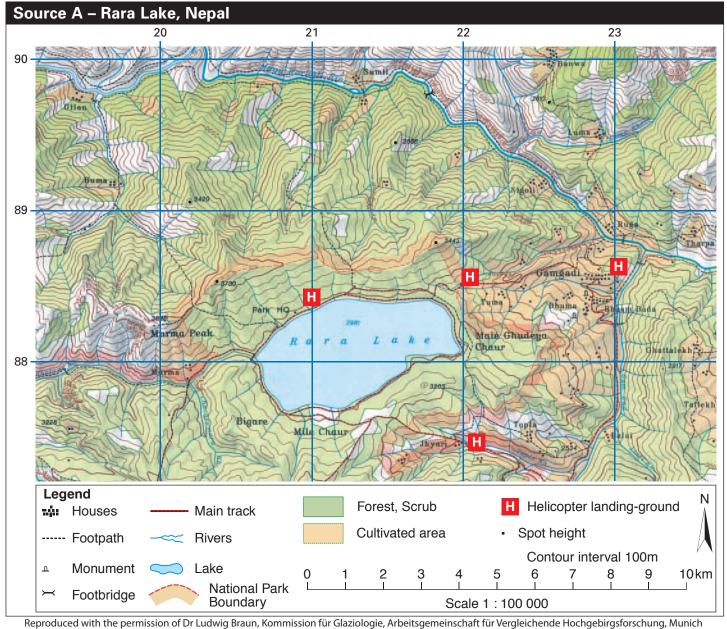
End of paper

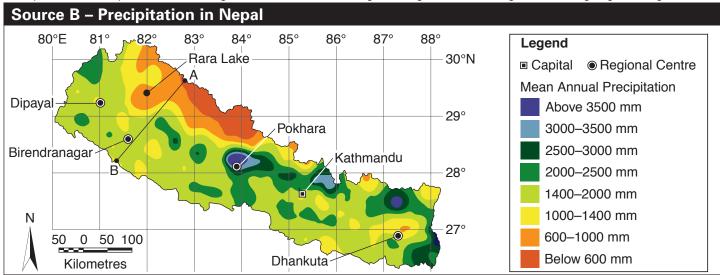
-15-

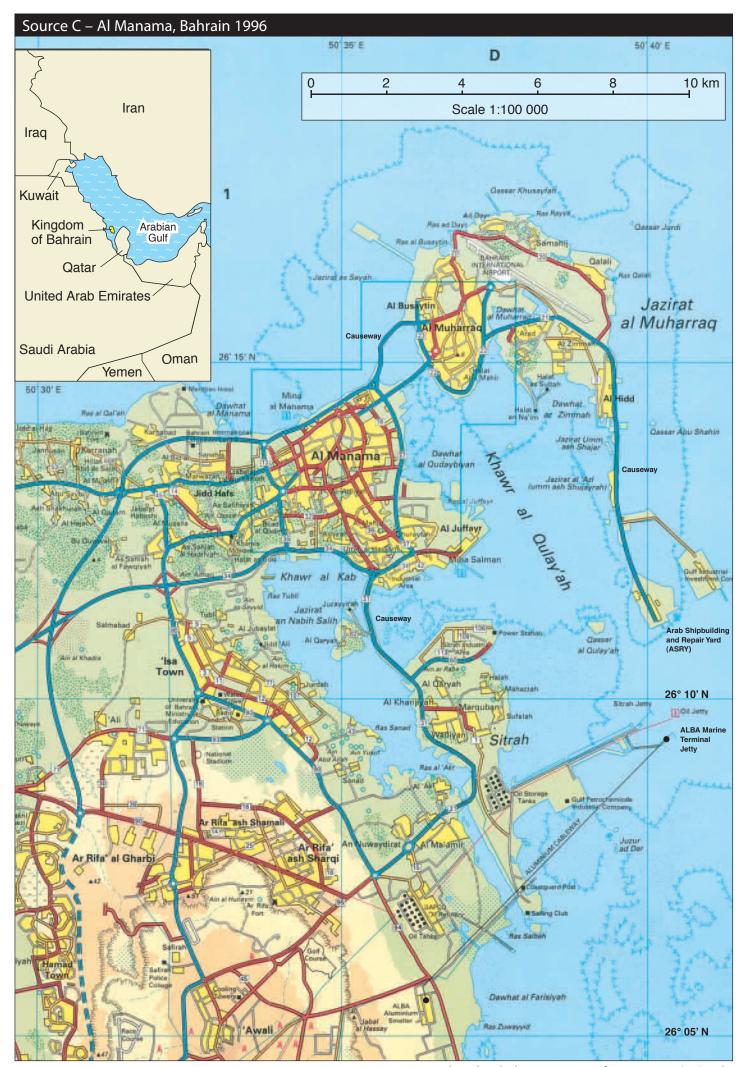


2009 HIGHER SCHOOL CERTIFICATE EXAMINATION

Geography Stimulus Booklet





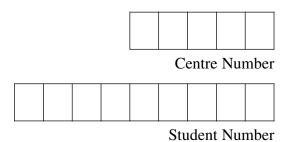


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Geography

WRITING BOOKLET

	Question Number		
Number of booklet used for this questi			

Instructions

- Write your Centre Number and Student Number in the boxes provided on this page.
- In the box provided write the number of the question attempted in this booklet.
- You may ask for an extra Writing Booklet to answer this question if you need more space.
- If you have not attempted this question, you must still hand in the Writing Booklet, with the words 'NOT ATTEMPTED' written clearly on the front cover.
- Write using black or blue pen.
- Do NOT remove any pages from this booklet.

You may NOT take any writing booklets, used or unused, from the examination room.

Star	t here.		
I			

Additional writing space on back page.

You may ask for an extra Writing Booklet if you need more space.