

SUPERVISOR TO ATTACH PROCESSING LABEL HERE

	STUDEN	STUDENT NUMBER									
Figures											
Words											

# **OUTDOOR AND ENVIRONMENTAL STUDIES**

## Written examination

## Monday 14 November 2005

Reading time: 11.45 am to 12.00 noon (15 minutes) Writing time: 12.00 noon to 2.00 pm (2 hours)

# **QUESTION AND ANSWER BOOK**

#### Structure of book

Number of questions	Number of questions to be answered	Number of marks
5	5	100

- Students are permitted to bring into the examination room: pens, pencils, highlighters, erasers, sharpeners and rulers.
- Students are NOT permitted to bring into the examination room: blank sheets of paper and/or white out liquid/tape.
- No calculator is allowed in this examination.

#### **Materials supplied**

Question and answer book of 15 pages.

#### **Instructions**

- Write your **student number** in the space provided above on this page.
- All written responses must be in English.

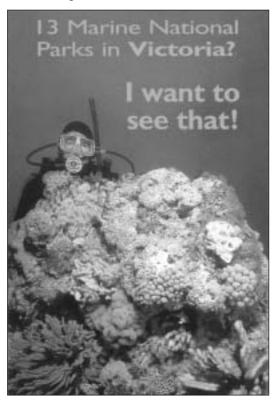
Students are NOT permitted to bring mobile phones and/or any other unauthorised electronic devices into the examination room.

#### **Instructions**

Answer all questions in the spaces provided.

#### **Question 1**

The postcard reproduced below relates to Question 1.



# I 3 marine national parks in Victoria? I want to see that!

And you will if you support the Environment Conservation Council's recommendations for marine national parks and sanctuaries in Victoria.

Victoria's marine environment is not just a home for fish, it also includes giant kelp forests, seagrass meadows, reefs, sandy plains and sponge gardens (see photo).

However, less than 0.05% of Victoria's coastal waters is currently protected against mining, fishing, dredging and aquaculture.

This must change if we are to have a healthy marine environment and sustainable fisheries. You can help create the change by sending this message to Premier Bracks.

# Dear Premier Bracks,

Sportle

I support the 13 marine national park and 11 sonctuary proposals for Victoria's unique and beautiful coastal waters. Please resist any attempts to reduce their size and number. The marine national parks will protect marine life and habitats now and forever.

Yours sincerely:

Name:

Address:

Phone:

Email:

To find out more about Marine National Parks, contact the Victorian National Parks Association on 03 9650 8296, email chriss@vnpa.org.au or visit our website at www.vnpa.org.au

please affix stamp



The Hon. Steve Bracks
Premier
c/o The Victorian National
Parks Association
10 Parliament Place
East Melbourne 3002

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	2 rentify two user groups whose use of the marine environment may be in conflict. <b>Do not</b> include ernment or the Victorian National Parks Association (VNPA) in your answer.
i.	List two different strategies that could have been used by either of these user groups to influence resolution of this conflict.
ii.	<b>Evaluate</b> the effectiveness of <b>each</b> of the strategies you have identified in part <b>i.</b> above.

2 + 4 = 6 marks

d.

I(	dentify a conflict over the use of a natural environment that you have studied this year.
	<b>Describe</b> a process other than legislation that has been or could be used to resolve the conflict you dentified in part <b>i.</b> above.
_	
E	Evaluate the effectiveness of the process you have described in part ii. above.
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	1 + 2 + 4 = 7  mark

Total 17 marks

There are 4400 species of fish in Australian waters. These include 200 freshwater species and 4200 marine species. The marine fishes include species found close to shore, in open ocean, in the deep sea and in estuaries. About 80% of the southern species and about 10% of the northern species are found only in Australian waters.

However, a number of our fish species are overfished and are now listed as endangered. This threatens the sustainability of the fishing industry. The Australian Marine Conservation Society (AMCS) has a campaign to help maintain the sustainability of the industry. The card shown below is part of that campaign.



what is biodiversity?			

3 marks

	The Australian marine fish fauna is considered to be quite diverse. What evidence is there for this claim?
_	
_	
	2 marks
١	What other information would you need to describe the biodiversity of the Australian fish fauna?
_	
_	
	2 marks
	Explain how the use of the card (illustrated on page 5) may contribute to the future of human societies and biodiversity.
_	
_	
_	
_	

	Explain two possible impacts on future human societies of a loss of biodiversity in the Australian fis rauna.
_	
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4 marks

**f.** Australian Orange Roughy populations are now thought to be less than 30% of their original levels. These fish live up to 150 years. Apart from saying 'no thanks' at your fish merchant or supermarket, what other strategies and actions could be implemented to help prevent further decline of Orange Roughy and other endangered populations?

**Provide one** example for each category below.

	Individuals	Fishing industry	Government
Strategy			
Action			

6 marks

Total 20 marks

Last summe	r there we	e several	drownings	in	Victorian	waters
Last summe	i illele wel	e severai	drownings	Ш	Victorian	waters.

	you might use to portray the outdoor environment.
	2 mar
	Evaluate how media images of these events can affect people's views about such outdoor environments
_	
_	
-	
_	
-	4 ma
	<b>Explain</b> , using an example of a place or an activity, how human relationships with seas and/or rivers ha
	changed over time.

OUTENV EXAM

								2 1
								3 marks
nvironn	nent during	a water-ba	isea outc	ioor exp	erience.			

9

Total 18 marks

Some scientists predict that by 2050 the duration of snow cover in the Australian Alps will reduce from 115 to 100 days per year. The deepest snow will be 10% to 99% shallower and the total area of snow cover will shrink by 20% to 85%. There are also predictions of less precipitation overall in the Alps.

a.	i.	<b>List three</b> uses of the Victorian alpine environment. Your answer should include one example from each of conservation, recreation and commercial.
		Conservation use
		Recreation use
		Commercial use
	ii.	For <b>each</b> of the uses listed above, <b>evaluate</b> its impact on the environment.

environment over time.
6 m <b>Identify three</b> possible changes in human activities in Victorian alpine areas as a result of the red
<b>Identity three</b> possible changes in hilman activities in victorian albine areas as a result of the red
snow cover described at the beginning of this question.
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alpine areas in the future.	sustainable development in

Total 24 marks

During the 1890s '... the city folk, like their bush brothers and sisters, were trying to work out what exactly *the bush* did represent. Was it the real Australia? Where did that place the rapidly growing cities? How was the *Australian* different from the *Englishman*? These questions were important to a nation attempting to define itself at the dawn of nationhood'.

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The Bulletin, 1 February 2005, p. 40

the Austra	ne time of early- lian environmen	European settle at at each of the	ment and in the se times.	ne present day,	by <b>describing</b> the	perception

6 marks

at the time of types of inter	early-Europear actions at each	of these times.	a in the prese	nt day, by <b>de</b> s	scribing an ex	ampie oi patteri

poncy, managemen	t approach or strat	egy from each (	of these times.	

9 marks

Total 21 marks