

STUDENT NUMBER Letter

OUTDOOR AND ENVIRONMENTAL STUDIES

Written examination

Monday 7 November 2016

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

<i>Number of questions</i>	<i>Number of questions to be answered</i>	<i>Number of marks</i>
8	8	90

- Students are to write in blue or black pen.
- 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 correction fluid/tape.
- No calculator is allowed in this examination.

Materials supplied

- Question and answer book of 20 pages.
- Additional space is available at the end of the book if you need extra paper to complete your answer.

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 (6 marks)

a. Select **one** of the following characteristics of Australian outdoor environments before human settlement by ticking (✓) the box beside it:

- biological isolation
- geological stability
- climatic variation

Briefly explain how your selected characteristic influenced flora and fauna before human settlement in Australia.

3 marks

b. With reference to a specific example, explain how the arrival of humans (Indigenous or European) had an impact on flora and fauna in Australia.

3 marks

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Question 2 (19 marks)

Name an outdoor environment that you have visited or studied this year.

- a. i. Describe **two** specific management strategies that you have either observed or that would be appropriate to use in this outdoor environment. 4 marks

- ii. Analyse the effectiveness of each of the management strategies described in **part a.** 6 marks

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Identify an example of environmental legislation that is being used, or that could be used, in this outdoor environment.

b. i. Describe **one** specific way in which this legislation helps, or could help, to sustain this outdoor environment.

2 marks

ii. Describe **one** problem, or potential problem, with the implementation of this legislation in managing this outdoor environment.

2 marks

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From the list below, select a sustainable action that has been applied, or could be applied, to this outdoor environment by ticking (✓) the box beside it:

- green building design
- integrated farming
- urban planning
- renewable energy
- Landcare

- c. i. Describe how this action has been used, or could be used, in this outdoor environment. 2 marks

- ii. Analyse the effectiveness of the action in sustaining this or other outdoor environments. 3 marks

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Question 3 (6 marks)

The government is proposing to dam a river and flood a large area to provide a reliable water storage and irrigation resource for farmers in the area after years of severe drought.

Recreational users are protesting against this construction, whereas the farmers consider it necessary for their survival.

Analyse how each group's relationship with this particular environment would change if the construction of the dam were to go ahead.

Recreational users _____

Farmers _____

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b. With reference to this specific outdoor environment and using your evaluation from **part a.**, explain the importance of a healthy outdoor environment for both society and an individual’s physical and emotional wellbeing.

4 marks

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Question 5 (5 marks)

Environmental economist R Kerry Turner has argued that there can be no such thing as overall sustainable development in an industrialised world economy that remains heavily dependent on the extraction of Earth’s finite stock of exhaustible mineral resources:

‘It makes no sense to talk about the sustainable use of a non-renewable resource (even with substantial recycling effort and use rates). Any positive rate of exploitation will eventually lead to exhaustion of the finite stock ...’

Source: R Kerry Turner, ‘Sustainability, Resource Conservation and Pollution Control: An Overview’, in *Sustainable Environmental Management*, R Kerry Turner (ed.), Belhaven Press (London) and Westview Press (Boulder, Colorado), 1990, p. 13

- a. Explain what is meant by the term ‘sustainable development’. 2 marks

- b. Do you agree with Turner’s argument about sustainable development? Justify your response. 3 marks

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b. Evaluate how **one** of the selected items affects a specific outdoor environment that you have visited or studied.

4 marks

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Question 8 (15 marks)

Name an outdoor environment that you have visited or studied this year.

Identify three historical events that have affected this outdoor environment.

1. _____

2. _____

3. _____

Discuss how these historical events influenced changing relationships with this outdoor environment.

Your response should include:

- the time period and a description of each event
- a link between each event and the outdoor environment
- an explanation of the changing relationships with the outdoor environment.

You should also discuss the relationships that humans now have with this outdoor environment.

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TURN OVER

