

STUDENT NUMBER Letter

OUTDOOR AND ENVIRONMENTAL STUDIES

Written examination

Friday 5 November 2021

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>
11	11	90

- 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 24 pages
- Additional space is available at the end of the book if you need extra space to complete an 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 (9 marks)

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

- a. Using a specific example relevant to the outdoor environment that you have named, describe how nation-building had an impact on this outdoor environment. 3 marks

- b. Using a specific example, describe how nation-building influenced the relationships that people had with the outdoor environment that you have named. 3 marks

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- c. Explain how increased environmental awareness during the nation-building period had an impact on the policies of Australian political parties prior to 1990.

3 marks

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Question 2 (11 marks)

For thousands of years before the first Europeans arrived, Indigenous Australians had been living on and manipulating the land and the environment.

...

When the First Fleet arrived, in January 1788, the new [non-Indigenous] settlers found themselves in a land with a very different climate from the one they had left.

Source: State Library of New South Wales, 'Australian agricultural and rural life: Life on the land', <www.sl.nsw.gov.au/stories/australian-agricultural-and-rural-life/life-land>

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

- a. Identify and describe a specific interaction that the first non-Indigenous settlers had with the outdoor environment that you have named.

3 marks

- b. Explain how the first non-Indigenous settlers' experiences influenced their relationship with the outdoor environment that you have named.

3 marks

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Question 3 (6 marks)

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

- a. Identify one conservation interaction and one tourism interaction with the outdoor environment that you have named. 2 marks

Conservation interaction _____

Tourism interaction _____

- b. Describe how the two interactions identified in **part a.** influence societal relationships with the outdoor environment that you have named. 4 marks

Conservation interaction _____

Tourism interaction _____

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Question 4 (5 marks)

- a. Describe how sustainable development is demonstrated in an outdoor environment that you have visited and/or studied this year.

2 marks

- b. With reference to your response in **part a.**, explain how sustainable development could be further implemented in this outdoor environment.

3 marks

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Question 5 (7 marks)

The government is considering turning a local mine into a number of lakes for both human use and as an ecological habitat. An Environment Effects Statement (EES) shows that the mine has significant groundwater contamination, high levels of soil erosion and a few species of introduced and native flora and fauna. The use of heavy vehicles and machinery at the site also releases a large amount of carbon emissions into the air.

- a. Select a theme from the State of the Environment report.

With reference to the information above and your selected theme, evaluate the health of the environment at the site of the mine.

4 marks

- b. Name an outdoor environment that you have visited and/or studied this year.

With reference to two observable characteristics, describe the health of the outdoor environment that you have named.

3 marks

Observable characteristic 1 _____

Observable characteristic 2 _____

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Question 7 (7 marks)

Select **two** of the following significant threats by ticking (✓) the boxes beside them:

- land degradation
- introduced species
- climate change
- urbanisation
- other significant threat (please specify) _____

a. Predict the potential impact of the selected threats on society. 4 marks

Threat 1 _____

Threat 2 _____

b. Explain which of the selected threats may have a greater long-term impact on an outdoor environment that you have visited and/or studied this year. 3 marks

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Question 8 (9 marks)

Select **one** of the following environmental debates by ticking (✓) the box beside it.

climate change

‘We all smell the smoke, we all feel the heat. This environmental catastrophe is global.’

Source: Alexis Wright, ‘We all smell the smoke, we all feel the heat. This environmental catastrophe is global’, *The Guardian*, 18 May 2019

water management

‘WATER is central to life on earth. The sustainable management of water resources is therefore vital and it is a challenge facing many across the world. For Australia, as one of the driest continents, efficient and sustainable water use is a critically important issue.’

Source: Dr Andrew Johnson, foreword, in CSIRO, *The science of providing water solutions for Australia*, February 2010

renewable energy

‘Renewable energy sources accounted for 6% of Australian energy consumption in 2018–19. Renewable electricity generation has more than doubled over the last 10 years, but combustion of biomass such as firewood and bagasse (the remnant sugar cane pulp left after crushing) remains nearly half (45%) of all renewable energy consumption in Australia.’

Source: Australian Government – Department of Industry, Science, Energy and Resources, ‘Renewables’, <www.energy.gov.au>

a. With reference to the stimulus for the selected environmental debate, explain the current social and political debate that is occurring about the best use of Australia’s natural resources.

5 marks

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- b. Explain how **one** side of this debate may influence societal relationships with outdoor environments. 4 marks

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- c. Describe the process that was used to resolve the selected environmental conflict or that could be used if this environmental conflict has not yet been resolved.

2 marks

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Question 10 (8 marks)

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

- a. Analyse the effectiveness of a management strategy used by public land managers to maintain the outdoor environment that you have named. Provide specific examples. 4 marks

- b. Select **one** of the following actions by ticking (✓) the box beside it.

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

Analyse how your selected action could help sustain the health of the outdoor environment that you have named. 4 marks

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