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Write your **student number** in the boxes above.

Letter

Outdoor and Environmental Studies

Question and Answer Book

VCE Examination – Monday 11 November 2024

- Reading time is **15 minutes**: 11.45 am to 12 noon
- Writing time is **2 hours**: 12 noon to 2.00 pm

Materials supplied

- Question and Answer Book of 20 pages

Instructions

- Use the additional space at the end of this book if you need extra space to complete an answer.

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

Contents	pages
Section A (8 questions, 75 marks)	3–14
Section B (1 question, 15 marks)	15–17

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Section A

Instructions

- Answer **all** questions in the spaces provided.
- Write your responses in English.

Question 1 (3 marks)

Identify **two** pillars of sustainability and outline how they are interdependent.

Question 2 (6 marks)

Analyse the change in relationship that non-Indigenous people experienced with a specific outdoor environment from the Pre-Federation to the Post-Federation time period.

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Question 3 (11 marks)

Environmental issues have played a significant role in shaping politics during the Post-Federation time period and in the last decade.

- a. Describe **one** historical environmental campaign during the Post-Federation time period, using specific examples.

3 marks

- b. Explain how **one** policy of a major political party in the last decade has influenced an environmental issue you have studied.

3 marks

Do not write in this area.

Question 4 (14 marks)

Select **one** conflict over the use of an outdoor environment from the list below by ticking (✓) the box beside it:

- feral species in the Alpine National Park
- commercial logging in Victoria
- establishment of new mountain bike parks
- Southern Ocean whale hunting
- Murray-Darling Basin water allocations

a. Summarise the selected environmental conflict and identify **two** opposing parties involved. 4 marks

b. Explain **one** method that could be used by one of the parties identified in **part a** to influence decisions made about the outdoor environment.

3 marks

Do not write in this area.

c. Explain **one** process that could be used to resolve the selected environmental conflict from **part a**.

3 marks

d. Evaluate the effectiveness of the process explained in your answer to **part c**.

4 marks

Do not write in this area.

Question 5 (9 marks)

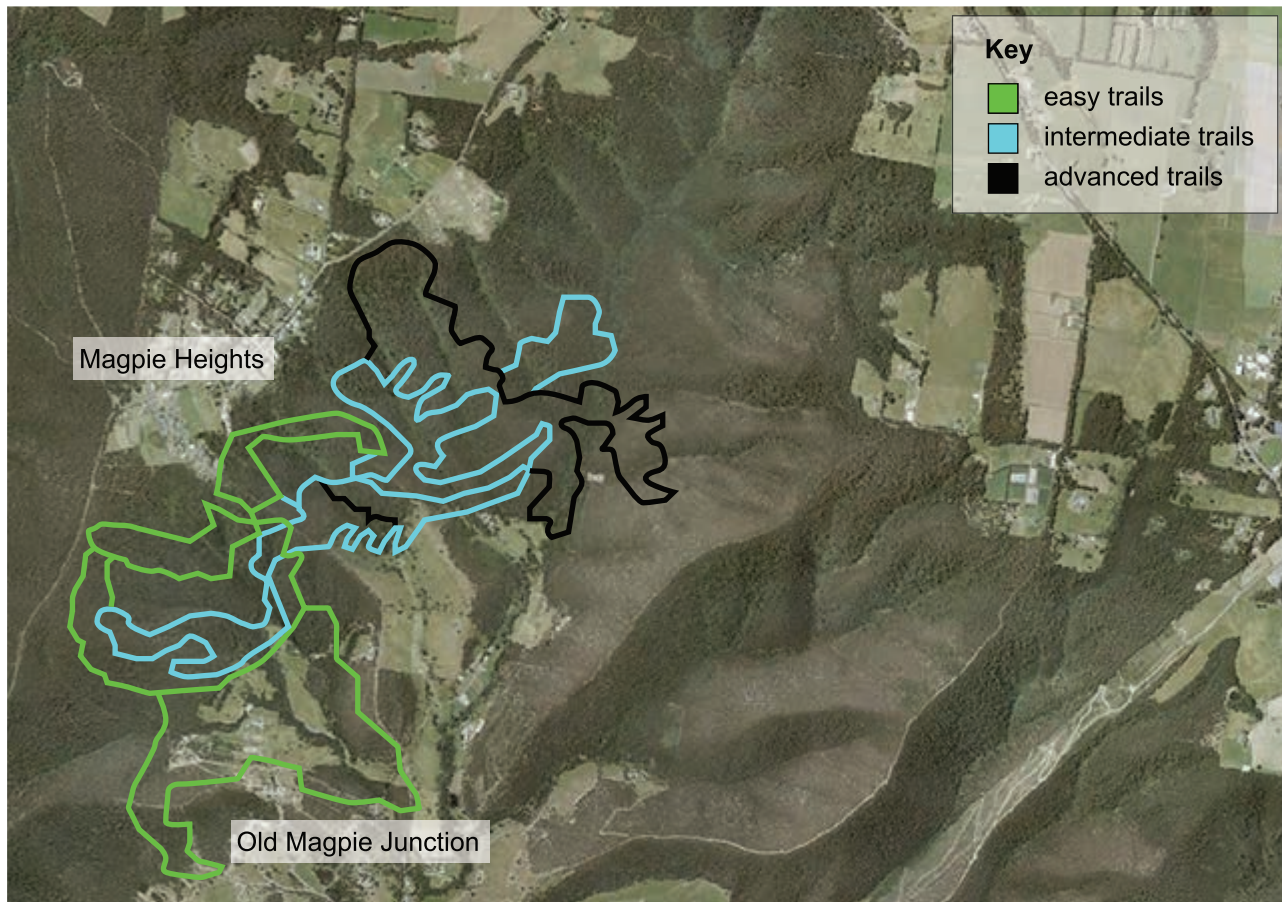
Select **one** of the following threats by ticking (✓) the box beside it:

- land degradation
- introduced species
- urbanisation
- flood
- fire

a. Analyse the potential impact that the selected threat could have on an outdoor environment that you have visited or studied.

4 marks

Do not write in this area.

Question 6 (12 marks)**Proposed Magpie Heights Mountain Bike Park**

Source: Adapted from State of Victoria (Department of Energy, Environment and Climate Action)

A mountain bike park has been proposed near the small town of Magpie Heights, 80 km from the Melbourne CBD.

Magpie Heights is home to a diverse range of flora and fauna, including birds, marsupials and an endangered frog species.

There are a range of local businesses operating in the area.

The proposal for 20 km of mountain bike trails has resulted in various views from the local community.

Some key responses from stakeholders include:

- Magpie Heights Council, which proposed the bike park and is pushing for its construction
- a local mountain biker who moved to the area in anticipation of the trails being built
- a person who recently bought the historic hotel, The Magpie Arms
- 15 families living at Old Magpie Junction in the hills just south of the main town
- the president of a local conservation group, The Magpie Landscape Alliance.

- a.** Identify three different stakeholders who have an economic, conservation, or recreational view about the proposed Magpie Heights bike park. 3 marks

Economic _____

Conservation _____

Recreational _____

- b.** Describe how the views from **part a** represent economic, conservation and recreational relationships with Magpie Heights. 6 marks

Economic _____

Conservation _____

Recreational _____

- c.** Assess **one** possible environmental impact on species or ecosystem biodiversity that might occur if this bike park was to proceed. 3 marks

Question 7 (12 marks)



Source: Greg Brave/Shutterstock.com

Hopkins River passing through farmlands in the early morning. Warrnambool, Australia

- a. Describe **two** community actions that could be used to sustain the health of the Hopkins River, including surrounding farmland (see picture above).

4 marks

Do not write in this area.

Question 8 (8 marks)

It has been identified that Australia has a waste problem.

Australians produce a significant amount of waste each year. The 2022 National Waste Report identified that:

- In 2020–2021, Australia generated an estimated 75.8 million tonnes (Mt) of waste, equivalent to 2.95 tonnes per person.
- The largest waste categories were building and demolition materials (25.1 Mt), organics (14.4 Mt), ash (12.0 Mt) and hazardous waste (7.4 Mt).
- Recycling and recovery rates were highest for metals (87%), building materials (81%), paper and cardboard (62%), glass (59%) and organics (58%).
- Overall recycling rates were stagnant in comparison to the 2018–2019 report at 60%, and the total volume of waste increased by 3%.

Source: Adapted from <<https://minister.dcceew.gov.au>>

a. Describe **two** individual actions that could be used to sustain an outdoor environment. 4 marks

b. Explain how **both** individual actions from **part a** could be used to help address Australia’s waste problem. 4 marks
