

Victorian Certificate of Education 2016

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| STUDENT NUMBER | | | | | | |

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

| Number of questions | Number of questions to be answered | Number of marks |
|---------------------|------------------------------------|--------------------|
| 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.

| Instru | ctions |
|--------|--------|
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Answer all questions in the spaces provided.

| 0 | action 1 (6 months) | |
|-----------|--|--------|
| Quo a. | Select one of the following characteristics of Australian outdoor environments before human settlement by ticking (\checkmark) 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 mark |
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| 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 mark |
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| • | i. | Describe two specific management strategies that you have either observed or that would be appropriate to use in this outdoor environment. | 4 marks |
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| | ii. | Analyse the effectiveness of each of the management strategies described in part a. | 6 marks |
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| 0 001 | OCEIN V | V STUDIES EXAM 4 | |
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| | ntify a | an example of environmental legislation that is being used, or that could be used, in this outdoor nent. | |
| 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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| | | list below, select a sustainable action that has been applied, or could be applied, to this outdoor ent by ticking (\checkmark) the box beside it: | |
|----|------|--|---------|
| | | en building design | |
| | | grated farming | |
| | | an planning | |
| | | ewable energy | |
| | | dcare | |
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| c. | i. | Describe how this action has been used, or could be used, in this outdoor environment. | 2 marks |
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| | ii. | Analyse the effectiveness of the action in sustaining this or other outdoor environments. | 3 marks |
| | 111• | That ye the effectiveness of the action in sustaining this of other outdoor environments. | 5 marks |
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| 016 OUT&ENV STUDIES EXAM 6 |
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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 |
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| Farmers |
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| a. A range of environmental indicators can be used to ascertain the hear Select three environmental indicators from the list below by ticking use these indicators to evaluate the level of health of this outdoor en quality and adequacy of water quality and adequacy of air quality and adequacy of soil levels of biodiversity number of pest and introduced species any other suitable indicator (please specify) | (✓) the boxes beside them and vironment: | |
|---|--|---------|
| use these indicators to evaluate the level of health of this outdoor en quality and adequacy of water quality and adequacy of air quality and adequacy of soil levels of biodiversity number of pest and introduced species | vironment: | |
| quality and adequacy of air quality and adequacy of soil levels of biodiversity number of pest and introduced species | | |
| quality and adequacy of soil levels of biodiversity number of pest and introduced species | | |
| levels of biodiversity number of pest and introduced species | | |
| number of pest and introduced species | | |
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| any other suitable indicator (please specify) | | |
| | | 7 marks |
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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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| land degradation | |
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| introduced species | |
| climate change | |
| urbanisation | |
| any other significant threat (please specify) | 7 r |
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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

| Explain what is meant by the term 'sustainable development'. | 2 mai |
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| Do you agree with Turner's argument about sustainable development? Justify your response. | 3 ma |
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| Question 6 (11 marks) Identify two environmental conflicts. | |
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| Conflict 1 | |
| Conflict 2 | |
| Direct action – the use of protests, marches and other activities – is an example of a method used by groups in many conflicts. Sometimes direct action is successful in assisting groups with achieving their desired outcome(s) and at other times it is not. | |
| a. Analyse the use of direct action in the two environmental conflicts identified. | 5 marks |
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| Evaluate the processes that decision-makers used in resolving the two environmental con | afficts |
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| identified. | 6 mark |
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| Question 7 (10 marks) Select two items from the following list by ticking (✓) the boxes beside them: mobile phone global positioning system (GPS) ski lifts four-wheel drive | |
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| a. Analyse how the selected items influence societal relationships with outdoor environments. | 6 marks |
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| 6 OUT | T&ENV STUDIES EXAM 14 | |
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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. | | |
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| Identify three historical events that have affected this outdoor environment. | | |
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| 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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| Extra space for responses | |
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| Clearly number all responses in this space. | |
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