

Primary Industries

General Instructions

- Reading time – 5 minutes
- Working time – 2 hours
- Write using black or blue pen
Black pen is preferred
- Board-approved calculators may be used
- Write your Centre Number and Student Number at the top of pages 9 and 13

Total marks – 80

Section I Pages 2–6

15 marks

- Attempt Questions 1–15
- Allow about 20 minutes for this section

Section II Pages 9–14

35 marks

- Attempt Questions 16–19
- Allow about 50 minutes for this section

Section III Page 15

15 marks

- Attempt Question 20
- Allow about 25 minutes for this section

Section IV Page 16

15 marks

- Attempt either Question 21 or Question 22
- Allow about 25 minutes for this section

Section I

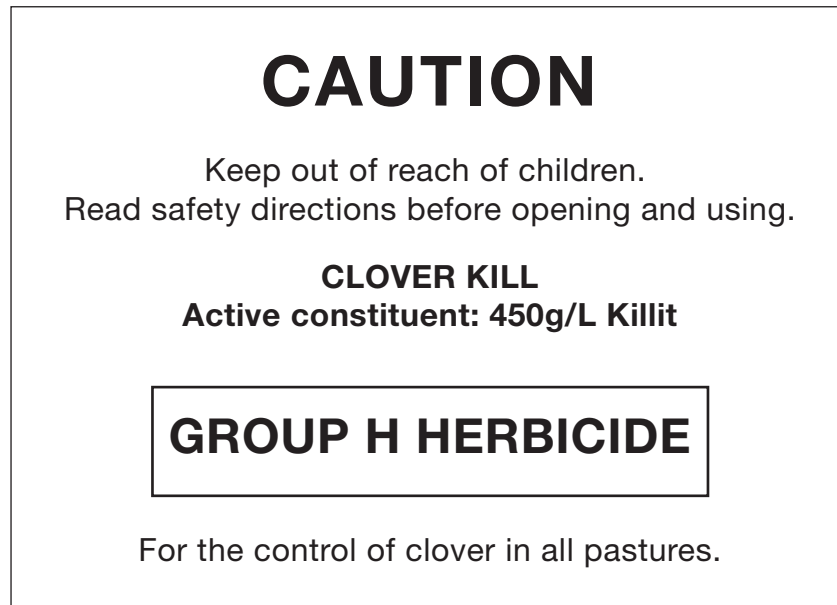
15 marks

Attempt Questions 1–15

Allow about 20 minutes for this section

Use the multiple-choice answer sheet for Questions 1–15.

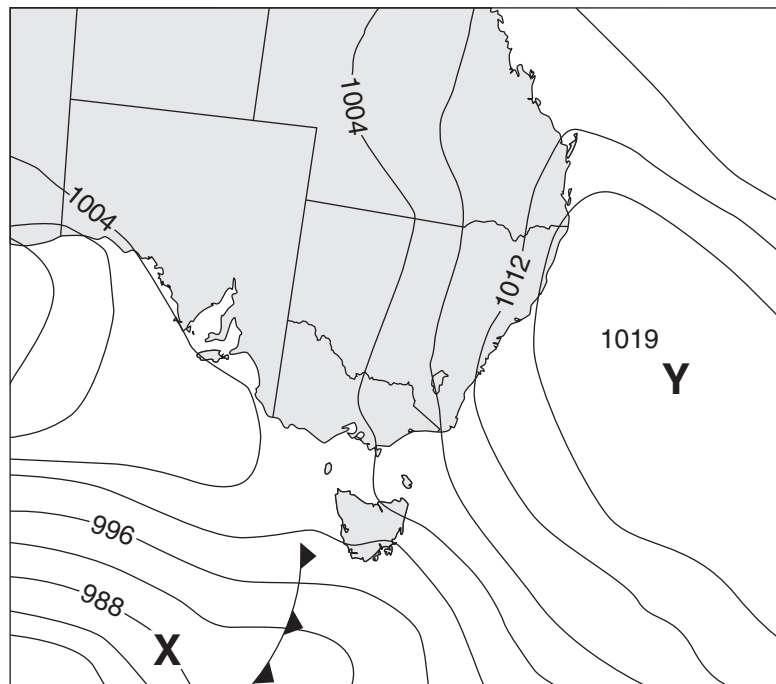
- 1 The chemical label shown is on a bottle of herbicide.



What type of herbicide is CLOVER KILL?

- (A) Selective
 - (B) Glyphosate
 - (C) Non-selective
 - (D) Broad spectrum
- 2 Which of the following is an example of a natural disaster?
- (A) Tractor roll-over on a soft steep slope
 - (B) Road closure as a result of chemical spillage
 - (C) Major crop damage arising from torrential rainfall
 - (D) Water contamination from a construction worksite

Use the weather map to answer Questions 3 and 4.



3 What is the meteorological term for the line at **X**?

- (A) Isobar
- (B) Isohyet
- (C) Isotherm
- (D) Isometric

4 What is the weather system at **Y**?

- (A) Cold front
- (B) Tropical cyclone
- (C) Low pressure system
- (D) High pressure system

- 5** Receiving instructions for the task, organising the task, carrying out the task and cleaning up after the task are all parts of
- (A) the quality assurance process.
 - (B) the application of personal values.
 - (C) the employer's role in the workplace.
 - (D) the sequencing of work for a given workplace process.
- 6** A workplace has purchased a new piece of equipment.
- Who is responsible for the development of Standard Operating Procedures for its use?
- (A) WorkCover
 - (B) The employee
 - (C) The employer
 - (D) The equipment manufacturer
- 7** Which of the following is NOT a source of feedback for a worker?
- (A) Personal reflection
 - (B) Receiving pre-work instruction
 - (C) Formal discussion on performance
 - (D) Informal discussion on performance
- 8** What data source allows a primary industries workplace to analyse total input costings?
- (A) Supplier invoices
 - (B) The annual stocktake
 - (C) Gross margin analysis
 - (D) Quantities of materials used

- 9** A farmer is spraying a 300 hectare paddock. The spray unit holds 500 litres. The application rate is 10 litres per hectare.

How many tankfuls will be used to completely spray the paddock?

- (A) 3
 - (B) 5
 - (C) 6
 - (D) 10
- 10** What is an award?
- (A) A legal document that sets out minimum wages and working conditions of employees
 - (B) A document stating conditions of employment such as hours of work and dress requirements
 - (C) An agreement between an employer and employee which outlines payment and working conditions
 - (D) A negotiated agreement between an employer and a group of employees detailing conditions of employment
- 11** A ladder to be used in a primary industries workplace should be specifically manufactured for
- (A) industrial use.
 - (B) non-sloping ground.
 - (C) general outdoor use.
 - (D) domestic property use.
- 12** An important principle of equal employment opportunity is that it promotes selection based on
- (A) age.
 - (B) merit.
 - (C) family.
 - (D) religion.

- 13** An employee has discovered a fresh oil spill which has leaked from a piece of machinery onto the workplace floor.

The oil spill represents an example of

- (A) unsafe work practices.
 - (B) poor workplace cleanliness.
 - (C) an immediate workplace risk.
 - (D) an immediate workplace hazard.
- 14** Which of the following is NOT a potential environmental consequence of removing trees?
- (A) Increased soil erosion
 - (B) Wildlife habitat destruction
 - (C) A decrease in levels of soil salinity
 - (D) Increased discharge into waterways
- 15** An insecticide is only supplied in 1 litre bottles. The mixing rate is 12 litres per 100 litres. The application rate of the mixture is 30 litres per hectare.

How many bottles of insecticide must be purchased to spray half a hectare?

- (A) 1
- (B) 2
- (C) 3
- (D) 4

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Primary Industries

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Centre Number

Section II

35 marks

Attempt Questions 16–19

Allow about 50 minutes for this section

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Student Number

Answer the questions in the spaces provided. These spaces provide guidance for the expected length of response.

Question 16 (9 marks)

Please turn over

Question 16 (9 marks)

The table shows the weather predictions for the next week.

Use this table to answer parts (a) and (b).

<i>Day</i>	<i>Temperature</i> (°C) daily maximum	<i>Precipitation</i> (mm)	<i>Wind speed</i> (km/h)	<i>Wind direction</i>
<i>Monday</i>	23	1	5	SW
<i>Tuesday</i>	25	0	5	SW
<i>Wednesday</i>	30	3	15	N
<i>Thursday</i>	32	0	20	NW
<i>Friday</i>	43	0	35	W
<i>Saturday</i>	42	0	50	W
<i>Sunday</i>	42	0	50	W

- (a) You are the supervisor on a mixed cropping/animal production enterprise. You have two employees under your supervision.

4

Outline a prioritised work program for your enterprise for this particular week.

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Question 16 continues on page 11

Question 16 (continued)

- (b) At the beginning of the week, both employees ask for Thursday to Saturday off to attend important personal occasions.

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As the supervisor, how would you balance the rights and responsibilities of the employees in responding to each of these requests? Justify your response.

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End of Question 16

Question 17 (9 marks)

- (a) List TWO sources of workplace conflict. **2**

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- (b) Describe ONE method of resolving workplace conflict. **3**

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- (c) Explain the consequences of inappropriate workplace behaviour for both the workplace and employees. **4**

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Primary Industries

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Centre Number

Section II (continued)

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Question 18 (8 marks)

- (a) Describe ONE current environmental issue affecting primary industries. **2**

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- (b) Name ONE government agency and outline its role in ensuring that primary industries comply with environmental legislation. **3**

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- (c) Explain the difference between environmental compliance and environmental best practice, giving an example of each. **3**

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Question 19 (9 marks)

- (a) (i) Identify ONE alternative to using chemicals for pest management. **1**

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- (ii) Outline ONE advantage and ONE disadvantage of this alternative. **2**

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- (b) Distinguish between re-entry and withholding periods. **2**

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- (c) Explain the importance of recording and reporting chemical use. **4**

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Primary Industries

Section III

15 marks

Attempt Question 20

Allow about 25 minutes for this section

Answer the question in a writing booklet. Extra writing booklets are available.

In your answer you will be assessed on how well you:

- demonstrate knowledge and understanding relevant to the question
 - communicate ideas and information using relevant workplace examples and industry terminology
 - present a logical and cohesive response
-

Question 20 (15 marks)

Explain how chemical labels and material safety data sheets (MSDS) assist in identifying hazards and risks when developing safe work practices.

Please turn over

Section IV

15 marks

Attempt either Question 21 or Question 22

Allow about 25 minutes for this section

Answer the question in a SEPARATE writing booklet. Extra writing booklets are available.

Question 21 — Livestock Health and Welfare (15 marks)

- (a) Name and describe a method or technique that is used to identify livestock. **2**
- (b) Explain the importance of keeping records in relation to animal health. **5**
- (c) Explain the importance of correct disease identification for the control and future management of a disease. **8**

OR

Question 22 — Plant Pests, Diseases and Disorders (15 marks)

- (a) Name and describe a characteristic or feature of a plant. **2**
- (b) Explain the importance of keeping records in relation to the treatment of plant pests, diseases and disorders. **5**
- (c) Explain the importance of correct disease identification for the control and future management of a disease. **8**

End of paper