

Primary Industries

General Instructions

- Reading time – 5 minutes
- Working time – 2 hours
- Write using black pen
- Board-approved calculators may be used
- Write your Centre Number and Student Number at the top of pages 9, 11 and 13

Total marks – 80

Section I Pages 2–5

15 marks

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

Section II Pages 9–14

35 marks

- Attempt Questions 16–20
- Allow about 50 minutes for this section

Section III Page 15

15 marks

- Attempt Question 21
- Allow about 25 minutes for this section

Section IV Page 16

15 marks

- Attempt either Question 22 or Question 23
- 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 Under work health and safety (WHS) legislation, who has primary responsibility for organising training to occur in the workplace?
- (A) Employees
 - (B) Employers
 - (C) Trainers
 - (D) WorkCover
- 2 Which of the following best defines the term *climate*?
- (A) The weather patterns that occurred in the last year
 - (B) The weather patterns that occurred in the last five years
 - (C) The weather records kept by the primary industries workplace
 - (D) The weather conditions prevailing in an area over a long period
- 3 The Bureau of Meteorology is predicting strong winds for the afternoon. A primary industries worker is planning to spray for an outbreak of insects that afternoon.
- What should the worker do?
- (A) Record the wind speed
 - (B) Wear more PPE when spraying
 - (C) Reschedule the spray program
 - (D) Spray in the direction of the gusts

- 4 A chemical is being used for the first time at your workplace. It has been spilt on your work colleague. They do not appear to be in distress or badly injured.

What should your first action be?

- (A) Call for an ambulance
- (B) Check with your supervisor
- (C) Use current first aid principles
- (D) Review the MSDS for appropriate treatment

- 5 You witness a truck belonging to your employer overturn next to a waterway. It is laden with non-hazardous produce. The driver is not injured.

What should your next action be?

- (A) Phone triple zero (000)
- (B) Follow workplace guidelines
- (C) Email the State Emergency Services
- (D) Text the Environment Protection Authority

- 6 Which of the following is the best source of information about the hazards of using a specialist piece of equipment in the workplace?

- (A) The supplier of similar types of specialist equipment
- (B) The manufacturer of that specialist piece of equipment
- (C) The employer who has provided the specialist equipment
- (D) The workers who operate that specialist equipment at your workplace

- 7 In Australia, the air around a low pressure system moves

- (A) in a clockwise direction and away from the Earth's surface.
- (B) in a clockwise direction and towards the Earth's surface.
- (C) in an anticlockwise direction and away from the Earth's surface.
- (D) in an anticlockwise direction and towards the Earth's surface.

- 8** How would you determine the chemical output for a hand operated spray unit?
- (A) Read the label for that chemical
 - (B) Carry out a pre-operation calibration check
 - (C) Read the operator's instructions for the spray unit
 - (D) Mix the chemical and water in the correct proportions
- 9** Ceramic mugs have replaced plastic cups in your primary industries workplace.
- This is a method of using resources that are
- (A) recoverable.
 - (B) recyclable.
 - (C) renewable.
 - (D) reusable.
- 10** Best practice in a primary industries workplace produces uniform, consistent and high standard outputs.
- What ensures that best practice is achieved?
- (A) Monitoring
 - (B) Using good inputs
 - (C) Recruiting skilled workers
 - (D) Implementing quality assurance
- 11** Which of the following can be enforced by law?
- (A) Regulations
 - (B) Workplace codes
 - (C) Industry standards
 - (D) Workplace/enterprise standards

- 12 A pour-on animal treatment requires 1 mL per 20 kg of body weight up to a maximum application of 15 mL.

Which row shows the correct mLs of treatment for each animal?

	<i>Animal 1: 80 kg</i>	<i>Animal 2: 260 kg</i>	<i>Animal 3: 460 kg</i>
(A)	6 mL	13 mL	15 mL
(B)	4 mL	18 mL	16 mL
(C)	4 mL	13 mL	15 mL
(D)	4 mL	13 mL	23 mL

- 13 Alex works in a primary industries workplace. Alex works only from Monday to Wednesday when needed by the supervisor.

What is Alex's employment status?

- (A) Casual
 - (B) Contract
 - (C) Full-time
 - (D) Part-time
- 14 Implementing a new procedure to meet government regulations in relation to waste products is an example of
- (A) compliance.
 - (B) best practice.
 - (C) sustainable use of resources.
 - (D) efficient use of energy and resources.
- 15 Which of the following is an example of *substitution* as a procedure for minimising risk?
- (A) Using only pre-mixed chemicals
 - (B) Separating chemicals from all food products
 - (C) Using a modified mechanical sprayer to spray crops
 - (D) Using a product in pellet form rather than as a dust or powder

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Primary Industries

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Centre Number

Section II

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Student Number

35 marks

Attempt Questions 16–20

Allow about 50 minutes for this section

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

Question 16 (9 marks)

A bulldozer is required to clear a patch of vegetation on a primary industries site.

9

In the table, identify **THREE** environmental risks associated with the clearing of the land. For each risk, identify a potential environmental impact and propose a solution to reduce the risk.

<i>Associated environmental risk</i>	<i>Potential environmental impact on the primary industries workplace</i>	<i>Proposed solution to reduce the risk</i>
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Primary Industries

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Centre Number

Section II (continued)

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Student Number

Question 17 (7 marks)

- (a) Outline the possible impact of ONE weather event on crops, livestock OR property. 3

Named weather event:

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- (b) Describe preventative actions that could be taken by a primary industries worker to minimise loss, damage or harm resulting from the weather event named in part (a). 4

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Question 18 (6 marks)

A primary industries workplace team member has been harassed by colleagues for being different, causing ongoing conflict. The team member has raised the issue of harassment with the supervisor.

- (a) Propose different approaches to conflict management that the primary industries team could use to resolve this situation. **3**

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- (b) Outline strategies that could be implemented to promote the acceptance of cultural diversity in the workplace. **3**

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Primary Industries

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Centre Number

Section II (continued)

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Student Number

Question 19 (6 marks)

At your primary industries workplace, chemicals are stored in a secure chemical store. **6**

Justify procedures that will need to be implemented to minimise the risks associated with a chemical spill.

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Question 20 (7 marks)

- (a) List TWO sources of information that can be used to research jobs in primary industries. **1**

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- (b) A farmer has advertised a position that will require the employee to work without direct supervision from time to time. **2**

Describe personal attributes that the farmer would be looking for in potential applicants.

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- (c) Compare the effectiveness of different methods of communication used in primary industries workplaces. **4**

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Primary Industries

Section III

15 marks

Attempt Question 21

Allow about 25 minutes for this section

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

Your answer 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
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Question 21 (15 marks)

Using examples, explain why it is important for employers and employees to commit to following work health and safety (WHS) principles in a primary industries workplace.

Please turn over

Section IV

15 marks

Attempt either Question 22 or Question 23

Allow about 25 minutes for this section

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

Question 22 — Livestock Health and Welfare (15 marks)

- (a) Name ONE livestock disease, parasite or disorder and describe in detail ways to prevent or treat this named disease, parasite or disorder. **3**
- (b) Describe the advantages of ONE method of prevention or treatment of this livestock disease, parasite or disorder. **3**
- (c) Justify safe work practices that should be followed when treating livestock diseases, parasites or disorders. **9**

OR

Question 23 — Plant Pests, Diseases and Disorders (15 marks)

- (a) Name ONE plant pest, disease or disorder and describe in detail ways to prevent or treat this named pest, disease or disorder. **3**
- (b) Describe the advantages of ONE method of prevention or treatment of this plant pest, disease or disorder. **3**
- (c) Justify safe work practices that should be followed when treating plant pests, diseases or disorders. **9**

End of paper