



**BOARD OF STUDIES**  
NEW SOUTH WALES

## **2010 HSC Primary Industries Marking Guidelines**

### **Section I**

<b>Question</b>	<b>Answer</b>
1	B
2	D
3	B
4	A
5	C
6	D
7	B
8	B and D
9	D
10	D
11	B
12	A and B
13	C
14	C
15	A

## Section II

### Question 16 (a)

Criteria	Marks
• Names the TWO correct nozzles and provides TWO correct reasons for incorrect operation	4
• Names the TWO correct nozzles and provides ONE correct reason for incorrect operation	3
• Names ONE correct nozzle and provides ONE correct reason for incorrect operation OR names TWO correct nozzles	2
• Names ONE correct nozzle	1

### Question 16 (b)

Criteria	Marks
• Provides correct answer and correct working	4
• Provides correct substitution in formula but answer is incorrect	3
• Provides correct answer without working	2
• Provides some working but answer is incorrect	1

### Question 17 (a)

Criteria	Marks
• Calculates TWO or more correct weed densities	1

### Question 17 (b)

Criteria	Marks
• Correct TWO paddocks named	1

### Question 17 (c)

Criteria	Marks
• Names FOUR appropriate factors to be considered before the commencement of spraying	2
• Names TWO or THREE appropriate factors to be considered before the commencement of spraying	1

**Question 17 (d)**

Criteria	Marks
<ul style="list-style-type: none"> <li>Provides detailed discussion for and/or against THREE appropriate methods of weed control which could be used in an integrated weed management program</li> </ul>	5
<ul style="list-style-type: none"> <li>Provides brief discussion of the strengths and weaknesses of THREE methods of weed control which could be used in an integrated weed management program</li> </ul> OR <ul style="list-style-type: none"> <li>Detailed discussion of strengths and weaknesses for TWO appropriate methods of weed control</li> </ul>	4
<ul style="list-style-type: none"> <li>Provides a discussion of TWO methods of weed control</li> </ul> OR <ul style="list-style-type: none"> <li>Description of strengths or weaknesses of three methods of weed control</li> </ul>	3
<ul style="list-style-type: none"> <li>Provides limited discussion on ONE method of weed control</li> </ul> OR <ul style="list-style-type: none"> <li>Description of strengths or weaknesses of TWO methods of weed control</li> <li>OR describes THREE control methods</li> </ul>	2
<ul style="list-style-type: none"> <li>Describes ONE or TWO methods of weed control</li> </ul>	1

**Question 18 (a)**

Criteria	Marks
<ul style="list-style-type: none"> <li>Provides a detailed justification of the appropriate process undertaken to assess this emergency situation and apply first aid</li> </ul>	6
<ul style="list-style-type: none"> <li>Provides a brief justification of the appropriate process undertaken to assess this emergency situation and apply first aid</li> </ul>	5
<ul style="list-style-type: none"> <li>Provides a justification of some of the appropriate process undertaken to assess this emergency situation and apply first aid</li> </ul>	4
<ul style="list-style-type: none"> <li>Describes the correctly sequenced process undertaken to assess the situation and apply first aid</li> </ul>	3
<ul style="list-style-type: none"> <li>Describes some of the process needed to assess the situation and apply first aid</li> </ul>	2
<ul style="list-style-type: none"> <li>Lists some or all of the letters or the words DRABCD in the correct order</li> </ul>	1

**Question 18 (b)**

<b>Criteria</b>	<b>Marks</b>
• Provides at least THREE appropriate control measures to reduce the risk of a similar accident occurring again	3
• Provides TWO appropriate control measures to reduce the risk of a similar accident occurring again	2
• Provides ONE appropriate control measure to reduce the risk of a similar accident occurring again	1

**Question 19 (a)**

<b>Criteria</b>	<b>Marks</b>
• Names TWO appropriate pieces of equipment for each task	2
• Names ONE appropriate piece of equipment for each task OR • Names TWO appropriate pieces of equipment for ONE task	1

**Question 19 (b)**

<b>Criteria</b>	<b>Marks</b>
• Correctly identifies relevant NSW legislation	1

**Question 19 (c)**

<b>Criteria</b>	<b>Marks</b>
• Correctly identifies TWO hazards associated with repairing the fence	2
• Correctly identifies ONE hazard associated with repairing the fence	1

**Question 19 (d)**

<b>Criteria</b>	<b>Marks</b>
• Provides a detailed work plan covering preparation for the task, carrying out the repairs and completion of task	4
• Provides a work plan covering preparation for the task, carrying out the repairs and completion of task	3
• Provides a list of activities required for each step in preparation for the task, carrying out the repairs and completion of the task	2
• Lists some tasks involved in repairing the fence	1

## Section III

### Question 20

Criteria	Marks
<ul style="list-style-type: none"> <li>• Evaluates in detail a range of strategies that could be implemented to reduce the safety and environmental impacts of the chosen natural disaster on a primary industry enterprise</li> <li>• Provides a comprehensive discussion of the range of management strategies which could be implemented prior to the disaster</li> <li>• Communicates ideas using relevant workplace examples and precise industry terms</li> <li>• Organises information in a logical and cohesive response</li> </ul>	13–15
<ul style="list-style-type: none"> <li>• Evaluates a range of strategies that could be implemented to reduce the safety and environmental impacts of the chosen natural disaster on a primary industry enterprise</li> <li>• Provides a discussion of the range of management strategies which could be implemented prior to the disaster</li> <li>• Communicates ideas using relevant workplace examples and relevant industry terms.</li> <li>• Organises information in a logical response</li> </ul>	10–12
<ul style="list-style-type: none"> <li>• Describes some strategies that could be implemented to reduce the safety and environmental impacts of the chosen natural disaster on a primary industry enterprise</li> <li>• Provides a discussion of some management strategies which could be implemented prior to the disaster</li> <li>• Communicates ideas using relevant workplace examples and simple industry terms</li> </ul>	7–9
<ul style="list-style-type: none"> <li>• Describes some strategies that could be implemented to reduce the safety and/or environmental impacts of the chosen natural disaster on a primary industry enterprise</li> <li>• Communicates ideas using simple industry terms</li> </ul>	4–6
<ul style="list-style-type: none"> <li>• States one or more strategies that could be implemented to reduce the impact of the chosen natural disaster on a primary industry enterprise</li> <li>• Communicates ideas using general terms</li> </ul>	1–3

## Section IV

### Question 21 (a)

Criteria	Marks
• Lists THREE or more attributes required by an employer which is related to the named enterprise	3
• Lists TWO attributes required by an employer	2
• Lists ONE attribute required by an employer OR gives a list of skills	1

### Question 21 (b)

Criteria	Marks
• Provides an explanation of why a number of attributes or skills are important to the enterprise	4
• Provides an explanation of why some attributes or skills are important to the enterprise	3
• Provides a limited explanation of why attributes or skills are important to the enterprise	2
• Provides an explanation of why ONE attribute or skill is important to the enterprise	1

### Question 21 (c)

Criteria	Marks
• Evaluates a range of appropriate communication strategies which could be used in an effective orientation process	7–8
• Evaluates some communication strategies which could be used in an effective orientation process	5–6
• Describes some communication strategies which could be used in an orientation process	3–4
• Describes at least ONE or lists some communication strategies which could be used in an orientation process	1–2

# Primary Industries

## 2010 HSC Examination Mapping Grid

Question	Marks	Unit of competency / Element of competency	
<b>Section I</b>			
1	1	RTC2503A 1.1	– Weather or climate information
2	1	RTC2702A 2.3	– Environmental issues
3	1	RTC2705A 2.5, 2.6	– Work effectively in the industry
4	1	RTC2701A 1.6	– Employee responsibilities prescribed
5	1	RTC2701A 2.5	– Manual handling
6	1	RTC2702A 1.3	– Relevant legislation, codes and national standards
7	1	RTC2704A 2.3, 1.4	– General principles of first aid management
8	1	RTC2801A 4.3 pay	– Basic mathematical process to calculate
9	1	RTC2704A 2.2	– First aid care is provided
10	1	RTC2401A 2.3	– Treatment of weeds
11	1	RTC2209A 2.7	– Install, maintain and repair fencing
12	1	RTC2401A 2.4	– Treatment of weeds
13	1	RTC2209A, RTC2801A 4.3	– Install, maintain and repair fencing
14	1	RTC2705A 7.4, RTC2081A 4.3	– Work effectively in the industry
15	1	RTC2706A 2.1	– Chemical label is interpreted
<b>Section II</b>			
16 (a)	4	RTC2706A 1.1 & 2.2	– Maintenance of application equipment
16 (b)	4	RTC2801A, 4.2, 4.3	– Participate in workplace communications – Recording on workplace form – Basic mathematical processes
17 (a)	1	RTC2401A 1.2, 5	– Treat weeds, Details of weed occurrence
17 (b)	1	RTC2401A 1.3	– Treatment methods are selected
17 (c)	2	RTC2401A 1.5	– Treatment according to instructions
17 (d)	5	RTC2401A 1.3	– HSC requirements 1.3
18 (a)	6	RTC2704A 1.4 RTC2704A 2.2	– Provide basic first aid, Assess the situation – First aid care is provided
18 (b)	3	RTC2701A 3.4	– Developing effective solutions
19 (a)	2	RTC2209A 1.1	– Tools and materials – Install, maintain and repair fencing
19 (b)	1	RTC2701A 1.6	– Employee responsibilities
19 (c)	2	RTC2209A 2.8	– Work carried out safely
19 (d)	4	RTC2209A 1, 2, 3	– Prepare for, carry out and complete fencing
<b>Section III – Extended Response</b>			
20	15	RTC2701A 1.4,1.5, 2702A 1.1, 2503A 1.3, 1.4, 2.2, 2.3	
<b>Section IV – Structured Response</b>			
21 (a)	3	RTC2705A (1.5 HSC requirements)	
21 (b)	4	RTC2705A 2.4, 2.5, 2.6	– Work effectively in industry
21 (c)	8	RTC2801A 5.1, 5.2, 5.3	– Participate in workplace communications