



BOARD OF STUDIES
NEW SOUTH WALES

2011 HSC Primary Industries Marking Guidelines

Section I

Multiple-choice Answer Key

Question	Answer
1	B
2	C
3	C or D
4	C
5	D
6	B
7	D
8	C
9	A
10	D
11	B
12	A
13	A
14	D
15	A

Section II

Question 16 (a)

Criteria	Marks
• Names TWO organisations which provide information about employment terms and conditions	2
• Names ONE organisation which provides information about employment terms and conditions	1

Question 16 (b)

Criteria	Marks
• Provides a number of reasons why the information is required	2
• Provides ONE reason why the information is required	1

Question 16 (c)

Criteria	Marks
• Provides FOUR correct calculation processes and correct answers	4
• Provides correct calculation processes with at least ONE correct answer OR • Provides correct answers with some correct processes	3
• Provides some correct calculation processes OR • Provides some correct answers with limited calculation processes	2
• Provides ONE correct calculation process OR • Provides ONE correct answer with or without limited calculation processes	1

Question 17 (a)

Criteria	Marks
• Gives a number of immediate impacts of the flood on the farm	2
• Gives ONE immediate impact of the flood on the farm	1

Question 17 (b)

Criteria	Marks
• Provides examples of at least TWO relevant actions to reduce the impact of the flood in detail	3
• Provides a number of actions to reduce the impact of the flood	2
• Gives ONE action to reduce impact of the flood	1

Question 17 (c)

Criteria	Marks
• Gives detailed long-term plan, indicating actions and reasons to reduce the impact of future floods on Home Farm	4
• Describes a long-term plan of actions and reasons to reduce the impact of future floods on Home Farm	3
• Provides an outline of a plan with some actions to reduce the impact of future floods on Home Farm	2
• Lists some actions to reduce the impact of future floods on Home Farm	1

Question 18 (a)

Criteria	Marks
• Correctly calculates the volume in litres	1

Question 18 (b)

Criteria	Marks
• Correctly completes FOUR missing entries	2
• Correctly completes TWO or THREE missing entries	1

Question 18 (c)

Criteria	Marks
• Provides a detailed explanation of the importance of keeping chemical application records	5–6
• Provides some description of the importance of keeping chemical application records	3–4
• Provides an outline of reasons for keeping chemical application records	2
• Gives a reason for keeping chemical application records	1

Question 19 (a)

Criteria	Marks
• Names a piece of machinery or equipment AND explains its importance to the completion of this job	2
• Names a piece of machinery or equipment essential to complete the job	1

Question 19 (b)

Criteria	Marks
• Gives a detailed sequenced list of steps in a Standard Operating Procedure for replacing a wooden strainer assembly	3
• Gives a sequenced list of steps in a Standard Operating Procedure for replacing a wooden strainer assembly	2
• Lists some steps of a Standard Operating Procedure for replacing a wooden strainer assembly	1

Question 19 (c)

Criteria	Marks
• Develops a detailed safe and efficient work plan for the repair job	4
• Develops a safe and efficient work plan for the repair job	3
• Develops some points of a work plan for the repair job	2
• Lists an aspect of a work plan	1

Section III

Question 20

Criteria	Marks
<ul style="list-style-type: none"> • Evaluates in detail a range of weed control methods for a named weed in terms of their effectiveness, environmental impacts and risks to people • Provides a comprehensive discussion of the strengths and weaknesses of a range of weed control methods • Communicates ideas using relevant workplace examples and precise industry terms • Organises information in a logical and cohesive response 	13–15
<ul style="list-style-type: none"> • Evaluates a range of weed control methods for a named weed in terms of their effectiveness, environmental impacts and risks to people • Provides a discussion of the strengths and weaknesses of a range of weed control methods • Communicates ideas using relevant workplace examples and relevant industry terms • Organises information in a logical response 	10–12
<ul style="list-style-type: none"> • Describes some weed control methods for a named weed • Provides a discussion of the strengths OR weaknesses of some weed control methods • Communicates ideas using relevant workplace examples and simple industry terms 	7–9
<ul style="list-style-type: none"> • Outlines some weed control methods for a named weed • States some strengths or weaknesses of these weed control methods • Communicates using simple industry terms 	4–6
<ul style="list-style-type: none"> • Lists some weed control methods for a named weed • States some strengths or weaknesses of weed control methods • Communicates ideas using general terms 	1–3

Section IV

Question 21 (a)

Criteria	Marks
• Names THREE potential environmental threats associated with land use activities	3
• Names TWO potential environmental threats associated with land use activities	2
• Names ONE potential environmental threat	1

Question 21 (b)

Criteria	Marks
• Describes in detail the potential impacts of TWO threats on the environment	4
• Describes in general the potential impacts of TWO threats on the environment	3
• Describes in general the potential impact of ONE threat OR identifies impacts of TWO threats on the environment	2
• Identifies an impact of ONE threat on the environment	1

Question 21 (c)

Criteria	Marks
• Provides a detailed analysis which includes the implications of a range of strategies to be used to minimise environmental impacts of ONE threat to the environment	7–8
• Provides an analysis which includes the implications of a range of strategies to be used to minimise environmental impacts of ONE threat to the environment	5–6
• Describes a range of strategies to be used to minimise environmental impacts of ONE threat to the environment	3–4
• Lists at least ONE strategy that would minimise the environmental impacts of ONE of the threats	1–2

Primary Industries

2011 HSC Examination Mapping Grid

Section I

Question	Marks	Unit of competency/Element of competency
1	1	RTC2704A Provide basic first aid 2.2
2	1	RTC2706A Apply chemicals under supervision 2.1 + HSC requirements
3	1	RTC2701A Follow OHS procedures 1.4 + HSC requirements
4	1	RTC2801A Participate in workplace communications 1.1 + HSC requirements
5	1	RTC2701A Follow OHS procedures 1.6 + HSC requirements
6	1	RTC2702A Observe environmental work practices 3.1 + HSC requirements
7	1	RTC2401A Treat weeds 1.3 + HSC requirements
8	1	RTE2503A Observe and report on weather 3.2 + HSC requirements
9	1	RTE2503A Observe and report on weather 3.2 + HSC requirements
10	1	RTC2209A Install, maintain and repair fences 1.4 + HSC requirements
11	1	RTC2209A Install, maintain and repair fences 3.2 + HSC requirements
12	1	RTC2801A Participate in workplace communications 3.1 + HSC requirements
13	1	RTC2705A Work effectively in the industry 4.2 + HSC requirements
14	1	RTC2401A Treat weeds 1.3, 2.3 + HSC requirements
15	1	RTC2706A Apply chemicals under supervision 2.1 + HSC requirements

Section II

Question	Marks	Unit of competency/Element of competency
16 (a)	2	RTC2705A Work effectively in the industry 1.1, 1.5 + HSC requirements
16 (b)	2	RTC2705A Work effectively in the industry 1.1, 1.5 + HSC requirements
16 (c)	4	RTC2801A Participate in workplace communications 4.3 + HSC requirements
17 (a)	2	RTC2503 Observe and report on weather 1.3 + HSC requirements
17 (b)	3	RTC2503 Observe and report on weather 2.2 + HSC requirements
17 (c)	4	RTC2701A Follow OHS procedures 1.3 + HSC requirements RTC2503 Observe and report on weather 3.2
18 (a)	1	RTC2401A Treat weeds 2.2 + HSC requirements RTC2706A Apply chemicals under supervision 2.2 + HSC requirements
18 (b)	2	RTC2706A Apply chemicals under supervision 5.1 + HSC requirements
18 (c)	6	RTC2702A Observe environmental work practices 1.1 RTC2706A Apply chemicals under supervision 5.1, 5.2
19 (a)	2	RTC2209A Install, maintain and repair fences 1.1 + HSC requirements
19 (b)	3	RTC2701A Follow OHS procedures 1.1, 1.2 RTC2209A Install, maintain and repair fences 2.2
19 (c)	4	RTC2701A Follow OHS procedures 2.1 + HSC requirements RTC2209A Install, maintain and repair fences 2.1, 2.2

Section III

Question	Marks	Unit of competency/Element of competency
20	15	RTC2401A Treat weeds 1.1, 1.3, 1.5, 2.3 + HSC requirements RTC2702A Observe environmental work practices 1.1, 2.3, 3.1, 3.2, 3.3 + HSC requirements RTC2706A Apply chemicals under supervision 1.4 + HSC requirements RTC2701A Follow OHS procedures 2.3 + HSC requirements

Section IV

Question	Marks	Unit of competency/Element of competency
21 (a)	3	RTC2702A Observe environmental work practices 3.1 + HSC requirements
21 (b)	4	RTC2702A Observe environmental work practices 1.1 + HSC requirements
21 (c)	8	RTC2702A Observe environmental work practices 1.1, 2.1 + HSC requirements