



BOARD OF STUDIES
NEW SOUTH WALES

2010 HSC Construction Marking Guidelines

Section I

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

Section II

Question 16

Criteria	Marks
<ul style="list-style-type: none">Demonstrates an understanding of the purpose of safety/lockout tagging	1

Question 17

Criteria	Marks
<ul style="list-style-type: none">Demonstrates an understanding of the purpose of earth leakage	1

Question 18

Criteria	Marks
<ul style="list-style-type: none">Provides a clear understanding of the use of symbols and colour in workplace signageUses TWO or more appropriate examples	2
<ul style="list-style-type: none">Indicates a basic understanding of signageProvides ONE appropriate example	1

Question 19 (a)

Criteria	Marks
<ul style="list-style-type: none">• Demonstrates a sound knowledge of waste management• Provides TWO or more strategies in waste minimisation	2
<ul style="list-style-type: none">• Provides limited knowledge of waste management by providing a strategy	1

Question 19 (b)

Criteria	Marks
<ul style="list-style-type: none">• Demonstrates a broad understanding of the impact of waste in the construction industry• Provides clear reference to both short- and long-term impact of waste on the environment	4
<ul style="list-style-type: none">• Demonstrates a general understanding of waste on the environment• Provides some reference to both short- and long-term impact of waste	3
<ul style="list-style-type: none">• Demonstrates limited understanding of waste with some reference to short- and/or long-term impacts	1–2

Question 20 (a)

Criteria	Marks
<ul style="list-style-type: none">• Demonstrates a clear understanding of calculation of quantities, costs and waste	5
<ul style="list-style-type: none">• Demonstrates a sound understanding of the relationship between quantities, costs and waste• Provides a correct answer for quantity OR cost of the storage area	3–4
<ul style="list-style-type: none">• Demonstrates a limited understanding of calculation	1–2

Question 20 (b)

Criteria	Marks
<ul style="list-style-type: none">• Demonstrates a sound understanding of aggregate storage	2
<ul style="list-style-type: none">• Provides a limited understanding of aggregate storage	1

Question 21 (a)

Criteria	Marks
• Provides a clear description of a physical hazard	2
• Provides a limited description of, or identifies only, a physical hazard	1

Question 21 (b)

Criteria	Marks
• Demonstrates a sound understanding of safe chemical management in the workplace • Considers several areas (ie storage use, training, accident control)	3
• Demonstrates a general understanding of the key issues of chemical management	2
• Demonstrates a limited understanding of chemical management	1

Question 21 (c)

Criteria	Marks
• Demonstrates a sound knowledge of applying the hierarchy of risk control to a specific situation and makes reference to a specific example • Uses precise industry terminology	4
• Demonstrates an understanding of the hierarchy of risk control with some errors and may make reference to an example • Uses industry terminology	3
• Demonstrates a basic understanding of controlling risk • Uses basic industry terminology	1–2

Question 22

Criteria	Marks
• Demonstrates a broad understanding and knowledge of lines of appropriate communication	4
• Demonstrates a general understanding and knowledge of lines of appropriate communication	3
• Provides limited knowledge of lines of communication	1–2

Question 23

Criteria	Marks
<ul style="list-style-type: none">• Demonstrates an in-depth knowledge of the relationship between use, skills, training and limitations of power equipment	5
<ul style="list-style-type: none">• Demonstrates a sound understanding of use, skills, training and limitations of power equipment	3–4
<ul style="list-style-type: none">• Provides limited understanding of the use of power equipment OR <ul style="list-style-type: none">• The training required to operate power equipment OR <ul style="list-style-type: none">• The limitations of power equipment	1–2

Section III

Question 24

Criteria	Marks
<ul style="list-style-type: none">• Demonstrates a broad depth of relevant knowledge and understanding of how the construction industry has reduced workplace injuries• Provides clear and specific examples appropriate to the construction industry• Correctly uses precise industry terminology in a well-reasoned cohesive response	13–15
<ul style="list-style-type: none">• Demonstrates a depth of knowledge and understanding of how the construction industry has reduced workplace injuries• Provides relevant examples within the construction industry• Uses appropriate industry terminology in a cohesive response	10–12
<ul style="list-style-type: none">• Demonstrates a general knowledge and understanding of reducing the incidence of workplace injuries• Provides some examples evident in the construction industry• Uses appropriate industry terminology	7–9
<ul style="list-style-type: none">• Demonstrates a basic understanding of workplace injuries, using examples• Uses limited industry terminology	4–6
<ul style="list-style-type: none">• Demonstrates limited knowledge of workplace injuries• Uses limited industry terminology	1–3

Construction

2010 HSC Examination Mapping Grid

Question	Marks	Unit of competency / Element of competency
Section I		
1	1	2004B – Handling construction material
2	1	1001B – Occupational health and safety
3	1	2006B – Basic levelling
4	1	2004B – Handling construction material
5	1	2004B – Handling construction material, 1001B – Occupational health and safety
6	1	2004B – Handling construction material
7	1	2704A – First Aid
8	1	2006B – Tools and equipment
9	1	1001B – Occupational health and safety
10	1	1001B – Occupational health and safety
11	1	1004B – Workplace communications
12	1	2001B – Read and interpret plans and specifications
13	1	1001B – Occupational health and safety, 1003B– Plan/organise
14	1	1004B – Conduct workplace communication
15	1	1005B – Carry out measurements and scales
Section II		
16		1001B – Occupational health and safety, 1003B
17		1001B – Occupational health and safety, 1003B, 2005B
18		1001B – Occupational health and safety, 1004B
19(a)		1003B, 2004B – Handling construction material
19(b)		1003B, 2004B – Handling construction material, 1002B
20(a)		1003B, 1005B, 2004B
20(b)		1005B, 2001B, 2004B
21(a)		1001B – Occupational health and safety, 2004B, RTC2704A
21(b)		1001B, 1003B, RTC2704A
21(c)		1001B – Occupational health and safety, 1003B, 2005B
22		1001B – Occupational health and safety, 1002B, 1003B, 1004B
23		1001B – Occupational health and safety, 1003B, 2005B, RTC2704A
Section III		
24	15	1001B – Occupational health and safety, 1003B, 1004B, RTC2704A
Section IV		
25(a)	3	1001B – Occupational health and safety, 2005B, 2006B
25(b)	4	2001B, 2005B, 2006B
25(c)	8	1005B, 2005B, 2006B