



BOARD OF STUDIES
NEW SOUTH WALES

2012 HSC Construction Marking Guidelines

Section I

Multiple-choice Answer Key

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

Section II

Question 16 (a)

Criteria	Marks
• Demonstrates a clear understanding of the benefits of using saw stools to cut lengths of timber	2
• Indicates a basic understanding of the use of saw stools	1

Question 16 (b)

Criteria	Marks
• Indicates a clear understanding of the tools and their functions	3
• Indicates an understanding of the tools and/or their functions	2
• Indicates a limited understanding of the tools or their functions	1

Question 16 (c)

Criteria	Marks
• Demonstrates a sound understanding of the safety and maintenance procedures for using a jigsaw	4
• Demonstrates an understanding of the safety and/or maintenance procedures for using a jigsaw	2–3
• Shows a limited understanding of the safety or maintenance procedures for using a jigsaw	1

Question 17 (a)

Criteria	Marks
• Demonstrates a clear understanding of written information recorded from construction site meetings	2
• Shows a limited understanding of written information recorded from construction site meetings	1

Question 17 (b)

Criteria	Marks
• Recommends an appropriate method demonstrating a clear understanding of how an employer would communicate information to employees on dangerous goods	2
• Shows a limited understanding of how an employer would communicate information to employees on dangerous goods	1

Question 18 (a)

Criteria	Marks
• Indicates accurately the problem with the allocated work days	1

Question 18 (b)

Criteria	Marks
• Explains clearly the benefits of using a work schedule for a construction project	3
• Demonstrates understanding of the benefits of using a work schedule for a construction project	2
• Shows a limited understanding of the benefits of using a work schedule	1

Question 19 (a)

Criteria	Marks
• Demonstrates a clear understanding of the features of placing an order	2
• Shows a limited understanding of the features of placing an order	1

Question 19 (b)

Criteria	Marks
• Demonstrates an understanding of the safety steps when using a nail gun	2
• Shows a limited understanding of the safety steps when using a nail gun	1

Question 19 (c)

Criteria	Marks
• Provides two different types and their uses	3
• Provides two different types with limited understanding of their uses	2
• Provides one type and/or a feature and/or use	1

Question 19 (d)

Criteria	Marks
• Demonstrates an understanding of the benefits of using a nail gun over traditional methods	2
• Shows a limited understanding of the benefits of using a nail gun over traditional methods	1

Question 20 (a)

Criteria	Marks
• Demonstrates a clear understanding of calculations for volume	2
• Shows a limited understanding of calculations for volume	1

Question 20 (b)

Criteria	Marks
• Demonstrates a clear understanding of calculating quantity	3
• Demonstrates an understanding of calculating quantity	2
• Shows a limited understanding of calculating quantity	1

Question 20 (c)

Criteria	Marks
• Demonstrates a clear understanding of fixing methods and provides justifications	4
• Demonstrates an understanding of fixing method(s) and/or provides justification(s)	2–3
• Shows an understanding of fixing method(s)	1

Section III

Question 21

Criteria	Marks
<ul style="list-style-type: none"> • Demonstrates a broad knowledge and understanding of the responsibilities both employers and employees have for duty of care • Provides a clear link to the <i>Work Health and Safety Act 2011</i> and communicates ideas and information using relevant workplace examples • 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 the responsibilities of employers and employees for duty of care • Provides a relevant understanding of the <i>Work Health and Safety Act 2011</i> and communicates ideas and information using relevant workplace examples • Uses appropriate industry terminology in a cohesive response 	10–12
<ul style="list-style-type: none"> • Demonstrates a general knowledge and understanding of duty of care with reference to employers and employees • Provides a general understanding of the <i>Work Health and Safety Act 2011</i> with information on workplace examples • Uses appropriate industry terminology 	7–9
<ul style="list-style-type: none"> • Demonstrates a basic knowledge and understanding of duty of care with reference to employers and employees • Provides reference to the <i>Work Health and Safety Act 2011</i> and provides workplace examples • Uses generic industry terminology 	4–6
<ul style="list-style-type: none"> • Provides an awareness of duty of care with reference to employers and employees using examples • Uses limited industry terminology 	1–3

Section IV

Question 22 (a)

Criteria	Marks
<ul style="list-style-type: none">• Explains clearly how the proposed redevelopment would be set up for construction• Demonstrates a clear understanding and reference to site plans	6
<ul style="list-style-type: none">• Provides some explanation for the set up of the proposed redevelopment site• Demonstrates a good knowledge of site plans	4–5
<ul style="list-style-type: none">• Shows a basic understanding of construction sites and/or site plans	1–3

Question 22 (b)

Criteria	Marks
<ul style="list-style-type: none">• Identifies the work sequencing for the construction and provides clear justification(s)• Demonstrates an in-depth knowledge and understanding of work sequencing• Uses precise industry terminology in a well-reasoned cohesive response	8–9
<ul style="list-style-type: none">• Identifies the work sequencing for the construction and provides justification• Demonstrates sound knowledge and understanding of work sequencing• Uses appropriate relevant industry terminology	6–7
<ul style="list-style-type: none">• Demonstrates relevant knowledge and understanding of work sequencing• Uses relevant industry terminology	4–5
<ul style="list-style-type: none">• Provides a general understanding of work sequencing• Uses industry terminology	2–3
<ul style="list-style-type: none">• Provides some relevant information on work sequencing	1

Construction

2012 HSC Examination Mapping Grid

Section I

Question	Marks	Unit of competency / Element of competency	Employability skills (Please put an X where appropriate)							
			Communication	Teamwork	Problem-solving	Initiative and enterprise	Planning and organising	Self-management	Learning	Technology
1	1	CPCCCM1004A – Conduct workplace communication – page 39	X							
2	1	CPCCCM2005A – Use of construction tools and equipment – page 69								X
3	1	CPCCCM2001A – Read and interpret plans and specifications – page 57	X		X					
4	1	CPCCCM2001A – Read and interpret plans and specifications – page 57	X		X					
5	1	CPCCOHS1001A – Work safely in the construction industry – page 83					X			
6	1	CPCCCM2005A – Use construction tools and equipment – page 66	X					X		
7	1	CPCCCM1002A – Work effectively and sustainably in the construction industry – page 22	X					X	X	
8	1	CPCCCM1005A – Carry out measurements and calculations – page 52			X		X			
9	1	CPCCCM2005A – Use of construction tools and equipment – page 68					X			
10	1	CPCCCM1002A – Work effectively and sustainably in the construction industry – page 25			X		X		X	
11	1	CPCCCM1005A – Carry out measurements and calculations – page 53			X					
12	1	CPCCCM2005A – Use construction tools and equipment – page 72								X
13	1	CPCCCM1005A – Carry out measurements and calculations – page 52			X					
14	1	CPCCOHS2001A – Apply OHS requirements and policy– page 99					X		X	
15	1	CPCCCM2005A – Use of construction tools and equipment – page 68								X

Section II

Question	Marks	Unit of competency/Element of competency	Employability skills (Please put an X where appropriate)							
			Communication	Teamwork	Problem-solving	Initiative and enterprise	Planning and organising	Self-management	Learning	Technology
16 (a)	2	CPCCCM2005A – Use of construction tools and equipment – page 64			X					X
16 (b)	3	CPCCCM2005A – Use of construction tools and equipment – page 64			X					X
16 (c)	4	CPCCCM2005A – Use of construction tools and equipment – page 69–70 CPCCOHS1001A – Work safety in the construction industry – page 80–81			X		X			X
17 (a)	2	CPCCCM1004A – Conduct workplace communication – page 44 CPCCOHS2001A – Apply OHS requirements, policies and procedures in the construction industry	X				X		X	
17 (b)	2	CPCCCM1004A – Conduct workplace communication – page 44, 101 CPCCOHS2001A – Apply OHS requirements, policies and procedures in the construction industry	X				X		X	
18 (a)	1	CPCCCM1002M – Work effectively and sustainably in the construction industry – page 13 CPCCCM1003A – Plan and organise – page 30		X			X			
18 (b)	3	CPCCCM1002M – Work effectively and sustainably in the construction industry – page 16 CPCCCM1003A – Plan and organise work – page 30		X			X			
19 (a)	2	CPCCCM2005A – Use of construction tools and equipment – page 70 CPCCOHS1001A – Work safety in the construction industry – page 83								X
19 (b)	2	CPCCCM2005A – Use of construction tools and equipment – page 70 CPCCOHS1001A – Work safety in the construction industry – page 83								X
19 (c)	3	CPCCCM2005A – Use of construction tools and equipment – page 70								X
19 (d)	2	CPCCCM2005A – Use of construction tools and equipment – page 64, 70					X			X
20 (a)	2	CPCCCM1005A – Carry out measurements and calculations – page 52	X		X				X	
20 (b)	3	CPCCCM1005A – Carry out measurements and calculations – page 52	X		X				X	

Question	Marks	Unit of competency/Element of competency	Employability skills (Please put an X where appropriate)							
			Communication	Teamwork	Problem-solving	Initiative and enterprise	Planning and organising	Self-management	Learning	Technology
20 (c)	4	CPCCCM2005A – Use of construction tools and equipment – page 69	X	X	X	X	X			X

Section III

Question	Marks	Unit of competency/Element of competency	Employability skills (Please put an X where appropriate)							
			Communication	Teamwork	Problem-solving	Initiative and enterprise	Planning and organising	Self-management	Learning	Technology
21	15	CPCCOHS1001A – Work safely in the construction industry – page 84, 85, 83, 82 CPCCCM1002M – Work effectively and sustainably in the construction industry – page 95, 96, 97	X	X	X	X	X	X	X	X

Section IV

Question	Marks	Unit of competency/Element of competency	Employability skills (Please put an X where appropriate)							
			Communication	Teamwork	Problem-solving	Initiative and enterprise	Planning and organising	Self-management	Learning	Technology
22 (a)	6	CPCCM2001A – Apply OHS requirements, policies and procedures in the construction industry – page 99, 92 CPCCM1003A – Plan and organise work – page 32	X	X	X	X	X	X	X	

Question	Marks	Unit of competency/Element of competency	Employability skills (Please put an X where appropriate)							
			Communication	Teamwork	Problem-solving	Initiative and enterprise	Planning and organising	Self-management	Learning	Technology
22 (b)	9	CPCCOHS2001A – Apply OHS requirements, policies and procedures in the construction industry – page 92, 99 CPCCM1005A – Carry out measurements and calculations – page 49 CPCCM1002A – Work effectively and sustainably in the construction industry – page 17	X	X	X	X	X	X	X	