



**BOARD OF STUDIES**  
NEW SOUTH WALES

## **2010 HSC Information Technology Marking Guidelines**

### **Section I**

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

## Section II

### Question 16 (a)

Criteria	Marks
• Correctly identifies THREE cell references	3
• Correctly identifies TWO cell references	2
• Correctly identifies ONE cell reference	1

### Question 16 (b)

Criteria	Marks
• Correctly writes the formula	2
• Indicates a relative change only	1

### Question 16 (c)

Criteria	Marks
• Describes the process to incorporate the graph into the report	2
• Identifies steps to incorporate the graph into the report	1

### Question 16 (d) (i)

Criteria	Marks
• Identifies a correct process to convert to a CSV format	1

### Question 16 (d) (ii)

Criteria	Marks
• Identifies at least TWO benefits	2
• Identifies ONE benefit	1

### Question 17 (a)

Criteria	Marks
• Correctly identifies missing detail and justifies its inclusion	2
• Identifies missing detail without justification OR • Explains importance of detail without clearly identifying it	1

**Question 17 (b)**

<b>Criteria</b>	<b>Marks</b>
<ul style="list-style-type: none"><li>Provides at least TWO reasons which relate to the scenario</li></ul> OR	2
<ul style="list-style-type: none"><li>ONE reason with comprehensive explanation</li></ul>	
<ul style="list-style-type: none"><li>Provides ONE reason which relates to the scenario</li></ul>	1

**Question 17 (c)**

<b>Criteria</b>	<b>Marks</b>
<ul style="list-style-type: none"><li>Provides at least THREE advantages with relevant explanation</li></ul> OR	3
<ul style="list-style-type: none"><li>Provides TWO advantages with comprehensive explanation of both</li></ul>	
<ul style="list-style-type: none"><li>Lists THREE advantages</li></ul> OR	2
<ul style="list-style-type: none"><li>Provides TWO advantages with limited explanation</li></ul>	
<ul style="list-style-type: none"><li>Provides ONE advantage</li></ul>	1

**Question 18 (a)**

<b>Criteria</b>	<b>Marks</b>
<ul style="list-style-type: none"><li>Lists THREE materials/items</li></ul>	3
<ul style="list-style-type: none"><li>Lists TWO materials/items</li></ul>	2
<ul style="list-style-type: none"><li>Lists ONE material/item</li></ul>	1

**Question 18 (b)**

<b>Criteria</b>	<b>Marks</b>
• Identifies and justifies ONE before and ONE after procedure	4
• Identifies and justifies either ONE before or ONE after procedure and identifies another	3
• Identifies and justifies either ONE before or ONE after procedure OR • Identifies TWO procedures	2
• Identifies ONE procedure	1

**Question 18 (c)**

<b>Criteria</b>	<b>Marks</b>
• Provides at least THREE advantages OR • Provides TWO advantages with comprehensive explanation of both	3
• Provides TWO advantages with limited explanation	2
• Provides ONE advantage	1

**Question 19 (a)**

<b>Criteria</b>	<b>Marks</b>
• Lists TWO maintenance procedures	2
• Lists ONE maintenance procedure	1

**Question 19 (b)**

<b>Criteria</b>	<b>Marks</b>
• Lists at least TWO operations OR • Lists one operation with comprehensive explanation	2
• Lists ONE operation	1

**Question 19 (c)**

<b>Criteria</b>	<b>Marks</b>
• Identifies TWO reasons for providing updates	2
• Identifies ONE reason for providing updates	1

**Question 19 (d)**

<b>Criteria</b>	<b>Marks</b>
• Identifies TWO possible consequences	2
• Identifies ONE possible consequence	1

## Section III

### Question 20

Criteria	Marks
<ul style="list-style-type: none"> <li>• Addresses all components of the question</li> <li>• Provides a cohesive well-reasoned response that reflects a high level of organisation, judgement, synthesis and problem solving</li> <li>• Demonstrates an in-depth understanding of IT functions with reference to the scenario used in the question</li> <li>• Consistently uses precise IT terminology to a professional standard</li> <li>• Communicates in the manner required by the question, consistently using standard industry formats</li> </ul>	13–15
<ul style="list-style-type: none"> <li>• Addresses most components of the question</li> <li>• Provides a cohesive well-reasoned response showing significant organisational and problem-solving skills</li> <li>• Demonstrates a detailed understanding of IT functions with reference to the scenario used in the question</li> <li>• Uses precise IT terminology to a level acceptable in industry</li> <li>• Communicates in the manner required by the question using standard industry formats</li> </ul>	10–12
<ul style="list-style-type: none"> <li>• Addresses most components of the question</li> <li>• Provides a response displaying some organisational and problem-solving skills</li> <li>• Demonstrates a basic understanding of IT functions with reference to the scenario used in the question</li> <li>• Uses basic IT terminology</li> <li>• Communicates in the manner required by the question using elements of industry formats</li> </ul>	7–9
<ul style="list-style-type: none"> <li>• Addresses some components of the question</li> <li>• Provides a response displaying limited organisational and problem-solving skills</li> <li>• Demonstrates a limited understanding of IT functions with reference to the scenario used in the question</li> <li>• Uses some IT terminology</li> <li>• Communicates in the manner required by the question using few elements of industry formats</li> </ul>	4–6
<ul style="list-style-type: none"> <li>• Addresses minimal components of the question</li> <li>• Provides a response displaying limited organisation</li> <li>• Communicates in the manner required by the question using few elements of industry formats</li> </ul>	1–3

## Section IV

### Question 21 (a)

Criteria	Marks
• Provides an accurate example of an essential function of an operating system	2
• Provides an example of a function of an operating system	1

### Question 21 (b)

Criteria	Marks
• Identifies TWO hardware factors and states their significance in relation to the laptop	4
• Identifies TWO hardware factors and states the significance of ONE in relation to the laptop	3
• Identifies TWO hardware factors OR • Identifies ONE hardware factor and states its significance in relation to the laptop	2
• Identifies ONE hardware factor	1

**Question 21 (c)**

Criteria	Marks
<ul style="list-style-type: none"><li>• Addresses all components of the question</li><li>• Provides a cohesive well-reasoned response that reflects a high level of organisation, judgement, synthesis and problem solving</li><li>• Demonstrates an in-depth understanding of IT functions with reference to the scenario used in the question</li><li>• Consistently uses precise IT terminology to a professional standard</li><li>• Communicates in the manner required by the question, consistently using standard industry formats</li></ul>	7–9
<ul style="list-style-type: none"><li>• Addresses most components of the question</li><li>• Provides a cohesive well-reasoned response showing significant organisational and problem-solving skills</li><li>• Demonstrates a detailed understanding of IT functions with reference to the scenario used in the question</li><li>• Uses precise IT terminology to a level acceptable in industry</li><li>• Communicates in the manner required by the question using standard industry formats</li></ul>	4–6
<ul style="list-style-type: none"><li>• Addresses some components of the question</li><li>• Provides a response displaying some organisational and problem-solving skills</li><li>• Demonstrates a basic understanding of IT functions with reference to the scenario used in the question</li><li>• Uses basic IT terminology</li><li>• Communicates in the manner required by the question using few elements of industry formats</li></ul>	1–3



# Information Technology

## 2010 HSC Examination Mapping Grid

Question	Marks	Unit of competency / Element of competency
<b>Section I</b>		
1	1	ICAD2012A Design organisational documents using computing packages
2	1	ICAU2013A Integrate commercial computing packages
3	1	ICAS3031A Provide advice to clients
4	1	ICAU2013A Integrate commercial computing packages
5	1	ICAW2002A Communicate in the workplace
6	1	ICAW2001A Work effectively in an IT environment
7	1	ICAT3025A Run standard diagnostic test
8	1	ICAU2231A Use computer operating system
9	1	ICAD3218A Create user documentation
10	1	ICAD3218A Create user documentation
11	1	ICAS3234A Care for computer hardware
12	1	ICAU3004A Apply occupational health and safety procedures
13	1	ICAI3020A Install and optimise operating system software
14	1	ICAU2231A Use computer operating system
15	1	ICAW2001A Work effectively in an IT environment
<b>Section II</b>		
16(a)	3	ICAU2013A Integrate commercial computing packages
16(b)	2	ICAU2013A Integrate commercial computing packages
16(c)	2	ICAU2013A Integrate commercial computing packages
16(d)(i)	1	ICAU2013A Integrate commercial computing packages
16(d)(ii)	2	ICAU2013A Integrate commercial computing packages
17(a)	2	ICAW2002A Communicate in the workplace
17(b)	2	ICAW2002A Communicate in the workplace
17(c)	3	ICAW2002A Communicate in the workplace
18(a)	3	ICAS3234A Care for computer hardware
18(b)	4	ICAS3234A Care for computer hardware
18(c)	3	ICAS3234A Care for computer hardware
19(a)	2	ICAT3025A Run standard diagnostic test
19(b)	2	ICAT3025A Run standard diagnostic test
19(c)	2	ICAT3025A Run standard diagnostic test
19(d)	2	ICAT3025A Run standard diagnostic test
<b>Section III</b>		
20	15	ICAW2001A Work effectively in an IT environment, ICAS3031A Provide advice to clients, ICAT3025A Run standard diagnostic test
<b>Section IV</b>		
21(a)	2	ICAI3020A Install and optimise operating system software, ICAW2001A Work effectively in an IT environment
21(b)	4	ICAI3020A Install and optimise operating system software, ICAW2001A Work effectively in an IT environment
21(c)	9	ICAI3020A Install and optimise operating system software, ICAW2001A Work effectively in an IT environment