



BOARD OF STUDIES
NEW SOUTH WALES

2012 HSC Information Technology Marking Guidelines

Section I

Multiple-choice Answer Key

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

Section II

Question 16 (a) (i)

Criteria	Marks
• Identifies ONE example of physical AND ONE example of psychological harassment in the workplace	2
• Identifies ONE example of physical OR ONE example of psychological harassment in the workplace	1

Question 16 (a) (ii)

Criteria	Marks
• Outlines TWO actions that an employee could take when dealing with workplace harassment	2
• Outlines ONE action that an employee could take to deal with workplace harassment	1

Question 16 (b)

Criteria	Marks
• Justifies the inclusion of THREE items in a hardware audit	3
• Justifies the inclusion of TWO items in a hardware audit OR • Justifies the inclusion of ONE item in a hardware audit AND identifies TWO items	2
• Justifies the inclusion of ONE item in a hardware audit OR • Identifies TWO items without justification	1

Question 17 (a) (i)

Criteria	Marks
• Identifies and fully justifies THREE precautions based on the information provided	3
• Identifies TWO precautions with some justification based on the information provided	2
• Identifies ONE precaution with justification OR • ONE precaution without justification based on the information provided	1

Question 17 (a) (ii)

Criteria	Marks
• Provides a clear description of actions that should be taken by Chris and the employer	3
• Outlines TWO appropriate actions related to the incident taken by Chris and the employer	2
• Identifies ONE appropriate action taken by Chris or the employer that is related to the incident	1

Question 17 (b)

Criteria	Marks
• A detailed description of the workstation setup indicating how the design minimises workplace injuries. Includes cause and effect between the setup and the avoidance of injuries	4
• A description of a workstation setup that is designed to minimise workplace injuries with some reference to cause and effect between the setup and the avoidance of injuries	3
• A description of a workstation setup with limited reference to cause and effect between the setup and the possible injuries	2
• A limited description of a workstation setup with no reference to the cause and effect between setup and injuries	1

Question 18 (a)

Criteria	Marks
• Provides a detailed description of the removal process	2
• Provides a limited description of the removal process	1

Question 18 (b)

Criteria	Marks
• Two factors considered	2
• One factor considered	1

Question 18 (c) (i)

Criteria	Marks
• Purpose of system bus	1

Question 18 (c) (ii)

Criteria	Marks
• Purpose of expansion slots	1

Question 18 (c) (iii)

Criteria	Marks
• Purpose of chipset	1

Question 18 (d)

Criteria	Marks
• Outlines TWO advantages AND TWO disadvantages	4
• Outlines TWO advantages and ONE disadvantage OR • TWO disadvantages and ONE advantage	3
• Identifies ONE advantage and ONE disadvantage OR • TWO advantages OR • TWO disadvantages	2
• Identifies ONE advantage OR ONE disadvantage	1

Question 19 (a)

Criteria	Marks
• Provides difference between real-time and scheduled anti-virus scanning	2
• Provides details of either real-time OR scheduled anti-virus scanning	1

Question 19 (b)

Criteria	Marks
• Two precautions provided	2
• One precaution provided	1

Question 19 (c)

Criteria	Marks
• Explains in detail TWO or more ways that a computer with anti-virus software can become infected	3
• Provides ONE explanation of ways computers with anti-virus can be infected OR • Identify two ways infection can occur	2
• Identify one cause of virus infection	1

Section III

Question 20

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

Section IV

Question 21 (a)

Criteria	Marks
• Comprehensive description of THREE tasks	4
• Detailed description of ONE or TWO tasks	3
• Description of ONE or TWO tasks	2
• Poor description of ONE task	1

Question 21 (b)

Criteria	Marks
• Detailed description of the steps and equipment involved in cleaning the inside of a computer	3
• Description of some steps and equipment involved in cleaning the inside of a computer	2
• Limited description of the steps required	1

Question 21 (c)

Criteria	Marks
• Provides a comprehensive explanation of how additional items for the maintenance card will improve the workplace efficiency	7–8
• Provides a detailed explanation of how additional items for the maintenance card will improve the workplace efficiency	5–6
• Provides a basic explanation of how additional items for the maintenance card will improve the workplace efficiency OR identifies a range of items	3–4
• Provides a limited explanation of how additional items for the maintenance card will improve workplace efficiency OR identifies a limited number of items	1–2

Information Technology

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	ICAS3234B/Care for computer hardware								X
2	1	ICAU3004B/Occupational Health & Safety						X		
3	1	ICAU2231B/Use computer operating system								X
4	1	ICAW2001B/Work effectively in an IT environment							X	
5	1	ICAD3218B/Create user documentation			X					
6	1	ICAI3020B/Install and optimise operating system			X					
7	1	ICAU2231B/Use computer operating system								
8	1	ICAU3004B/Occupational Health & Safety	X							
9	1	ICAU2231B/Use computer operating system								X
10	1	ICAS3031B/Provide advice to clients							X	
11	1	ICAS3234B/Care for computer hardware								X
12	1	ICAS3031B/Provide advice to clients			X					
13	1	ICAW2001B/Work effectively in an IT environment							X	
14	1	ICAT3025B/Run standard diagnostic tests								X
15	1	ICAT3025B/Run standard diagnostic tests			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) (i)	2	ICAW2001B/Work effectively in an IT environment						X		
16 (a) (ii)	2	ICAW2001B/Work effectively in an IT environment		X						
16 (b)	3	ICAW2001B/Work effectively in an IT environment				X				
17 (a) (i)	3	ICAU3004B/Occupational Health & Safety						X		
17 (a) (ii)	3	ICAU3004B/Occupational Health & Safety	X							
17 (b)	4	ICAU3004B/Occupational Health & Safety						X		
18 (a)	2	ICAU2231B/Use computer operating system								X
18 (b)	2	ICAU2231B/Use computer operating system								X
18 (c)	3	ICAU2231B/Use computer operating system								X
18 (d)	4	ICAU2231B/Use computer operating system								X
19 (a)	2	ICAT3025B/Run standard diagnostic tests								X
19 (b)	2	ICAT3025B/Run standard diagnostic tests								X
19 (c)	3	ICAT3025B/Run standard diagnostic tests								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
20	15	ICAS3031B/Provide advice to clients ICAI3020B/Install and optimise operating system	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
21 (a)	4	ICAS3234B/Care for computer hardware ICAD3218B/Create user documentation	X				X			X
21 (b)	3	ICAS3234B/Care for computer hardware ICAD3218B/Create user documentation	X				X			X
21 (c)	8	ICAS3234B/Care for computer hardware ICAD3218B/Create user documentation	X				X			X