

2011 HSC Information Technology Marking Guidelines

Section I

Multiple-choice Answer Key

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

Section II

Question 16 (a) (i)

Criteria	Marks
<ul style="list-style-type: none"> Defines operating system 	1

Question 16 (a) (ii)

Criteria	Marks
<ul style="list-style-type: none"> Names an appropriate system 	1

Question 16 (b) (i)

Criteria	Marks
<ul style="list-style-type: none"> Compares purchase price of open-source AND commercial operating system software 	2
<ul style="list-style-type: none"> Identifies ONE feature of purchase price of open-source OR commercial operating system software 	1

Question 16 (b) (ii)

Criteria	Marks
<ul style="list-style-type: none"> Compares licensing agreements of open-source AND commercial operating system software 	2
<ul style="list-style-type: none"> Identifies ONE feature of licensing for open-source OR commercial operating system software 	1

Question 17 (a)

Criteria	Marks
<ul style="list-style-type: none"> Clearly describes a function of all four components 	4
<ul style="list-style-type: none"> Clearly describes a function of three components 	3
<ul style="list-style-type: none"> Clearly describes a function of two components 	2
<ul style="list-style-type: none"> Clearly describes a function of one component 	1

Question 17(b) (i)

Criteria	Marks
<ul style="list-style-type: none"> Describes at least two steps in the process 	2
<ul style="list-style-type: none"> Describes one step 	1

Question 17 (b) (ii)

Criteria	Marks
• Detailed procedure with four or more steps	4
• Provides a three or more step procedure	3
• Provides a two step procedure	2
• Provides any single step	1

Question 18 (a) (i)

Criteria	Marks
• Correctly describes ONE function of a modem	1

Question 18 (a) (ii)

Criteria	Marks
• Correctly describes ONE function of a wireless access point	1

Question 18 (a) (iii)

Criteria	Marks
• Correctly describes ONE function of a scanner	1

Question 18 (b) (i)

Criteria	Marks
• Correctly outlines TWO duties of a help-desk operator	2
• Correctly outlines ONE duty of a help-desk operator	1

Question 18 (b) (ii)

Criteria	Marks
• Correctly outlines TWO duties of a Network Administrator	2
• Correctly outlines ONE duty of a Network Administrator	1

Question 18 (c)

Criteria	Marks
• Correctly names and describes the purpose of ONE diagnostic tool	2
• Either correctly names or describes the purpose of ONE diagnostic tool	1

Question 19 (a) (i)

Criteria	Marks
<ul style="list-style-type: none"> Correctly outlines ONE task that would be carried out using a graphic user interface 	1

Question 19 (a) (ii)

Criteria	Marks
<ul style="list-style-type: none"> Correctly outlines ONE task that would be carried out using a command line interface 	1

Question 19 (b) (i)

Criteria	Marks
<ul style="list-style-type: none"> Clearly states TWO advantages with reference to an operating system 	2
<ul style="list-style-type: none"> Provides ONE advantage 	1

Question 19 (b) (ii)

Criteria	Marks
<ul style="list-style-type: none"> Clearly states TWO advantages with reference to an operating system 	2
<ul style="list-style-type: none"> Provides ONE advantage 	1

Question 19 (c)

Criteria	Marks
<ul style="list-style-type: none"> Detailed description using relevant examples to describe the benefits of replacing a generic driver with a customised vendor driver. 	4
<ul style="list-style-type: none"> Description using an example to describe a benefit of replacing a generic driver with a vendor driver 	3
<ul style="list-style-type: none"> Limited description with an example OR <ul style="list-style-type: none"> Detailed description without example 	2
<ul style="list-style-type: none"> Limited description OR example without description 	1

Section III

Question 20

Criteria	Marks
<ul style="list-style-type: none"> Addresses all components of the question 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"> Addresses most components of the question Provides a cohesive 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"> Addresses many components of the question 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"> Addresses some components of the question 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
• Correctly defines a hazard and includes an appropriate example	2
• Defines a hazard OR provides a detailed description of a hazard	1

Question 21 (b)

Criteria	Marks
• Provides a comprehensive explanation with relevant examples	5
• Gives examples and provide a suitable explanation	4
• Gives examples and provides some explanation	3
• Uses an example and explanation	2
• Limited explanation or examples without explanation	1

Question 21 (c)

Criteria	Marks
<ul style="list-style-type: none"> Addresses all components of the question 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 	6–8
<ul style="list-style-type: none"> Addresses most components of the question Provides a cohesive 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 	3–5
<ul style="list-style-type: none"> Addresses some components of the question 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 few elements of industry formats 	1–2

Information Technology

2011 HSC Examination Mapping Grid

Section I

Question	Marks	Unit of competency/Element of competency
1	1	ICAD3218B Create user documentation
2	1	ICAW2001B Work effectively in an IT environment
3	1	ICAU3004B OH&S Apply occupational health and safety procedures
4	1	ICAU2231B Use computer operating system
5	1	ICAS3234B Care for computer hardware
6	1	ICAW2001B Work effectively in an IT environment
7	1	ICAU3004B OH&S Apply occupational health and safety procedures
8	1	ICAI3020B Install and optimise operating system software
9	1	ICAS3234B Care for computer hardware
10	1	ICAS3031B Provide advice to clients
11	1	ICAD3218B Create user documentation
12	1	ICAS3031B Provide advice to clients
13	1	ICAI3020B Install and optimise operating system software
14	1	ICAT3035B Run standard diagnostic tests
15	1	ICAS3031B Provide advice to clients

Section II

Question	Marks	Unit of competency/Element of competency
16 (a) (i)	1	ICAI3020B Install and optimise operating system software
16 (a) (ii)	1	ICAI3020B Install and optimise operating system software
16 (b) (i)	2	ICAI3020B Install and optimise operating system software
16 (b) (ii)	2	ICAI3020B Install and optimise operating system software
17 (a)	4	ICAS3234B Care for computer hardware
17 (b) (i)	2	ICAS3234B Care for computer hardware
17 (b) (ii)	4	ICAS3234B Care for computer hardware
18 (a) (i)	1	ICAT3035B Run standard diagnostic tests
18 (a) (ii)	1	ICAW2001B Work effectively in an IT environment
18 (a) (iii)	1	ICAT3035B Run standard diagnostic tests
18 (b) (i)	2	ICAW2001B Work effectively in an IT environment
18 (b) (ii)	2	ICAW2001B Work effectively in an IT environment
18 (c)	2	ICAT3025B Run standard diagnostic tests
19 (a) (i)	1	ICAU2231B Use computer operating system
19 (a) (ii)	1	ICAU2231B Use computer operating system
19 (b) (i)	2	ICAU2231B Use computer operating system
19 (b) (ii)	2	ICAU2231B Use computer operating system
19 (c)	4	ICAU2231B Use computer operating system

Section III

Question	Marks	Unit of competency/Element of competency
20	15	ICAD3218B Create user documentation ICAS3031B Provide advice to clients

Section IV

Question	Marks	Unit of competency/Element of competency
21 (a)	2	ICAU3004B OH&S Apply occupational health and safety procedures
21 (b)	5	ICAU3004B OH&S Apply occupational health and safety procedures
21 (c)	8	ICAU3004B Apply OH&S procedures