2012 HSC Industrial Technology Graphics Technologies Marking Guidelines

Section I

Multiple-choice Answer Key

Question	Answer
1	C
2	A
3	B
4	C
5	B
6	D
7	A
8	D
9	B
10	A

Section II

Question 11

Criteria	Marks
• Sketches in general terms indicating at least two advantages of using CAD drawing over traditional drawing methods	2
• Lists an advantage of using CAD drawings over traditional methods	1

Question 12

Criteria	Marks
• Provides the main features of TWO pieces of information commonly found in specifications	3
• Provides the main features of a piece of information commonly found in specifications	2
• Lists a piece of information found in specifications	1

Question 13

Criteria	Marks
• Provides characteristics and features of TWO or more methods a designer could use to communicate design ideas to a client	3
• Provides characteristics and features of one method a designer could use to communicate design ideas to a client OR • Sketches in general terms a characteristic or feature of another method used	2
• Provides some relevant information/method	1

Question 14

Criteria	Marks
• Sectional view is drawn in proportion with correct detail included	3
• Sectional view is drawn mostly in proportion with some hidden detail or other detail	2
• View contains some correct detail	1

Question 15

Criteria	Marks
• Correctly draws a two-point perspective using picture plane, vanishing points, centre of vision and ground line	4
• Incomplete drawing showing evidence of perspective projections to construct parts of bracket	3
• Incomplete drawing showing evidence of perspective projections to create correct line	2
• Indicates a perspective projection	1

Section III

Question 16 (a)

Criteria	Marks
• Provides characteristics and features of web-based technologies the company could use to market and sell its goods and services	5
• Sketches in general terms web-based technologies the company could use to market and sell its goods and services	3–4
• Identifies a web-based technology that could be used	1–2

Question 16 (b)

Criteria	Marks
• Provides characteristics and features of TWO impacts on the organisation and work practices of the company if web-based technologies were implemented	9–10
• Provides characteristics and features of ONE impact and sketches in general terms another impact on the organisation and work practices of the company if web-based technologies were implemented	7–8
• Sketches in general terms ONE impact on the organisation and ONE impact on work practices of the company if web-based technologies were implemented	5–6
• Sketches in general terms ONE impact and identifies another impact on the organisation and work practices of the company if web-based technologies were implemented	3–4
• Identifies an organisational and/or work practices impact on the company if web-based technologies were implemented	1–2

Industrial Technology
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Section I

Question	Marks	Content	Syllabus outcomes
1	1	Principles/Stds	H3.1
2	1	Processes/Equip	H5.1
3	1	Principles/Stds	H3.1
4	1	Processes/Principles/Stds	H3.1
5	1	Processes/Principles/Stds	H3.1, H4.3
6	1	Principles/Stds	H3.1, H4.3
7	1	Principles/Stds	H3.1, H4.3
8	1	Processes	H3.1, H5.2
9	1	Processes	H3.2
10	1	Processes	H3.2

Section II

Question	Marks	Content	Syllabus outcomes
11	2	Processes	H1.2, H1.3
12	3	Processes	H5.2
13	3	Processes	H5.1, H5.2
14	3	Processes Principles/Stds Equip	H3.1, H6.2
15	4	Processes	H3.1, H6.2

Section III

Question	Marks	Content	Syllabus outcomes
16 (a)	5	Structural Considerations	H1.1, H1.2, H7.1, H7.2
16 (b)	10	Personnel Issues	H1.1, H1.2, H7.1, H72