



B O A R D O F S T U D I E S
NEW SOUTH WALES

2011 HSC Industrial Technology Graphics Technologies Marking Guidelines

Section I

Multiple-choice Answer Key

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

Section II

Question 11

Criteria	Marks
• Names an advantage of CAD drawings compared to hand drawings	1

Question 12

Criteria	Marks
• Indicates the main uses of freehand sketching in the graphics industry	2
• Indicates a use of freehand sketching in the graphics industry	1

Question 13

Criteria	Marks
• Indicates presentation techniques architects can use to promote their concepts of products	2
• Indicates a presentation technique architects can use to promote their concepts and products	1

Question 14

Criteria	Marks
• Correctly sketches a freehand oblique front view, oblique projection to the right and curved face detail of the casting block	3
• Correctly sketches a freehand oblique front view and oblique projection to the right of the casting block	2
• Correctly sketches a freehand oblique front view of the casting block	1

Question 15

Criteria	Marks
• Correctly sketches a top and front view in the third angle projection of the torch • Includes hidden detail of the handle AND detail of the switch	3
• Correctly sketches a top and front view in third angle projection of the torch • Includes hidden detail of the handle OR detail of the switch	2
• Correctly sketches a top OR front view in third angle projection of the torch (Maximum one mark if the views are incorrectly projected)	1

Question 16

Criteria	Marks
<ul style="list-style-type: none"> • Designs and sketches a floor plan of the double garage to the correct scale, with engaged piers, garage doors, single door and two windows 	4
<ul style="list-style-type: none"> • Designs and sketches a floor plan of the double garage to the correct scale, to include THREE of the following: engaged piers, garage doors, single door and two windows OR <ul style="list-style-type: none"> • Designs and sketches a floor plan of the double garage, with engaged piers, garage doors, single door and two windows NOT to the correct scale 	3
<ul style="list-style-type: none"> • Designs and sketches a floor plan of the double garage to the correct scale to include ONE of the following: engaged piers, garage doors, single door and two windows OR <ul style="list-style-type: none"> • Designs and sketches a floor plan of the double garage, to include THREE of the following: engaged piers, garage doors, single door and two windows but NOT to the correct scale. 	2
<ul style="list-style-type: none"> • Designs and sketches a basic floor plan of the double garage 	1

Section III

Question 17 (a)

Criteria	Marks
<ul style="list-style-type: none"> • Provides characteristics and features of personnel issues the company needs to consider when staffing the new facility 	5
<ul style="list-style-type: none"> • Sketches in general terms personnel issues the company needs to consider when staffing the new facility 	3–4
<ul style="list-style-type: none"> • Identifies personnel issues the company needs to consider when staffing the new facility 	1–2

Question 17 (b)

Criteria	Marks
<ul style="list-style-type: none">• Makes the relationships between the factors, other than personnel issues, that affect the viability of a company and the establishment of a facility in a new location evident	9–10
<ul style="list-style-type: none">• Identifies factors, other than personnel issues, that affect the viability of a company and provides points for how they relate to the establishment of a facility in a new location	7–8
<ul style="list-style-type: none">• Provides characteristics and features of factors, other than personnel issues, that would affect the viability of the company when establishing a facility in a new location	5–6
<ul style="list-style-type: none">• Sketches in general terms the factors, other than personnel issues, that affect the viability of a company when establishing a facility in a new location	3–4
<ul style="list-style-type: none">• Indicates features of factors, other than personnel issues, that affect the viability of a company when establishing a facility in a new location	1–2

Industrial Technology

Graphics Technologies

2011 HSC Examination Mapping Grid

Section I

Question	Marks	Content	Syllabus outcomes
1	1	Principles/standards	H4.3
2	1	Processes	H1.2, H3.1
3	1	Processes	H4.3
4	1	Processes	H1.2, H3.1
5	1	Processes	H3.1, H4.3
6	1	Processes	H3.1
7	1	Principles/standards	H3.2
8	1	Principles/standards	H3.1, H3.2
9	1	Processes	H1.2, H3.1
10	1	Principles/standards	H3.2, H4.3

Section II

Question	Marks	Content	Syllabus outcomes
11	1	Processes/equipment	H1.2, H3.1
12	2	Processes	H3.1, H4.3, 5.1
13	2	Processes	H1.2, H5.1
14	3	Principles/standards	H1.2, H5.1
15	3	Principles/standards	H1.2, H5.1
16	4	Principles/standards and equipment	H1.2, H3.1, H4.3, H5.1

Section III

Question	Marks	Content	Syllabus outcomes
17 (a)	5	Occupational health and safety	H1.1, H1.2
17 (b)	10	Occupational health and safety	H1.1, H1.2, H6.2, H7.1