



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

## **2011 HSC Industrial Technology Multimedia Technologies Marking Guidelines**

### **Section I**

#### **Multiple-choice Answer Key**

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

## Section II

### Question 11 (a)

Criteria	Marks
• Identifies TWO or more font formatting options that are suitable for highlighting a heading	2
• Identifies a font formatting option that is suitable for highlighting a heading	1

### Question 11 (b)

Criteria	Marks
• Describes how colour bit-depth affects the quality of graphics used in the learner driver application	2
• Identifies a characteristic of colour bit-depth that affects the quality of graphics used in the learner driver application	1

### Question 11 (c)

Criteria	Marks
• Provides characteristics and features of appropriate editing techniques that could be used to match the clips to the rest of the footage	3
• Sketches in general terms appropriate editing techniques that could be used to match the clips to the rest of the footage	2
• Identifies an editing technique that could be used to match the clips to the rest of the footage	1

### Question 11 (d)

Criteria	Marks
• Makes it clear how the characteristics and qualities of motion capture techniques make it a suitable approach to develop a 3D crash-test animation	4
• Provides characteristics and qualities of motion capture techniques that make it a suitable approach in developing a 3D crash-test animation eg real-time capture of sensor movement and automatically provides 3D wire frame animation	3
• Identifies characteristics and qualities of motion capture techniques eg uses sensors to capture OR automatically recreates 3D animation	2
• Identifies a characteristic or quality of motion capture techniques eg automatic production of 3D animation	1

**Question 11 (e)**

Criteria	Marks
<ul style="list-style-type: none"> <li>Demonstrates a clear understanding of the process used to convert analogue sound into a digital sound file by explaining sample sizes, sample rate, sample depth and binary representation</li> </ul>	4
<ul style="list-style-type: none"> <li>Provides characteristics and features of the conversion of analogue sound into a digital sound files with reference to sampling, sample rate, sample depth and binary representation</li> </ul>	3
<ul style="list-style-type: none"> <li>Sketches in general terms features of converting analogue sound into a digital sound file eg sampling, sample rate, sample size, sample depth, binary representation</li> </ul>	2
<ul style="list-style-type: none"> <li>Identifies a characteristic of analogue to digital conversion eg binary representation</li> </ul>	1

**Section III**
**Question 12 (a)**

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

**Question 12 (b)**

Criteria	Marks
<ul style="list-style-type: none"> <li>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</li> </ul>	9–10
<ul style="list-style-type: none"> <li>Identifies factors, other than personnel issues, that affect the viability of a company and provides points about how they relate to the establishment of a facility in a new location</li> </ul>	7–8
<ul style="list-style-type: none"> <li>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</li> </ul>	5–6
<ul style="list-style-type: none"> <li>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</li> </ul>	3–4
<ul style="list-style-type: none"> <li>Indicates features of factors, other than personnel issues, that affect the viability of a company when establishing a facility in a new location</li> </ul>	1–2

# Industrial Technology

## Multimedia Technologies

### 2011 HSC Examination Mapping Grid

#### Section I

Question	Marks	Content	Syllabus outcomes
1	1	Multimedia elements	H1.2, H4.1
2	1	Multimedia elements	H4.3
3	1	Major project	H1.2, H4.1
4	1	Multimedia elements	H4.3
5	1	Multimedia elements	H3.2, H4.3
6	1	Multimedia elements	H4.3
7	1	World wide web	H6.2, H4.1
8	1	Multimedia elements	H1.2
9	1	Multimedia elements	H3.2
10	1	Multimedia elements	H3.2, H4.3

#### Section II

Question	Marks	Content	Syllabus outcomes
11 (a)	2	Multimedia elements	H1.2, H4.3, H5.1
11 (b)	2	Multimedia elements	H4.3, H6.1
11 (c)	3	Multimedia elements	H1.2, H4.3
11 (d)	4	Multimedia elements	H1.2, H4.3
11 (e)	4	Multimedia elements	H1.2, H4.3

#### Section III

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