

### Candidate 3

The evidence for this candidate has achieved the following marks for each question of this course assessment component.

#### Question 1ai

The candidate was awarded **1 mark** because they correctly identified contour lines (topographical).

#### Question 1aii

The candidate was awarded **1 mark** because they acknowledged the relationship of the plots and surrounding area.

#### Question 1b

The candidate was awarded **2 marks** because they stated that 'it will give the *public an insight of how the area will look*' including visualisation of the development and the 2D pictorial showing the use of the area and size of each plot.

#### Question 1c

The candidate was awarded **2 marks** because they included zoning, features and contours in their response.

#### Question 1di

The candidate was awarded **1 mark** because Graphic 4 is correctly identified as having dimensions and material information relevant to construction.

#### Question 1dii

The candidate was awarded **2 marks** because Graphic 3 shows energy efficiency and Graphic 5 shows the finished building, both of which are relevant to the sales team.

#### Question 1e

The candidate was awarded **2 marks**

- ◆ 'accessed through multiple platforms' – wider audience (**1 mark**)
- ◆ 'eco-friendly' approach (**1 mark**)

### Question 1f

The candidate was awarded **1 mark** because '*cost effective*' and '*save time*' are not valid responses for Advanced Higher level. However, the candidate correctly identified that motion tweening will calculate the frames in-between.

### Question 1g

The candidate was awarded **1 mark** for Image Based Lighting (IBL).

### Question 1hi

The candidate was awarded **0 marks** because neither '*IBL*' nor '*colour*' are acceptable explanations of illustration techniques for this graphic.

### Question 1hii

#### Techniques 1

The candidate was awarded **1 mark** for IBL.

#### Techniques 2

The candidate was awarded **0 marks** because their response was too vague.

### Question 2a

The candidate was awarded **2 marks** because they described the conversion of the file to an STL and acknowledged that this would be mapped out and printed by the printer but they did not describe the programming process.

### Question 2bi

The candidate was awarded **1 mark** because they explained that the designer can undertake editing as a result of the 3D model.

### Question 2bii

The candidate was awarded **1 mark** because they explained that testing can be carried out prior to manufacturing.

### Question 2c

The candidate was awarded **2 marks**

Finite Element Analysis (**1 mark**)

Computational Fluid Dynamics (**1 mark**)

### Question 2d

The candidate was awarded **0 marks** because they did not explain the specific advantages for the target market.

### Question 2e

The candidate was awarded **2 marks** because they have acknowledged that the rendered images will assist in visualisation of the final caravan, in respect to material and colour as well as lighting styles.

### Question 2f

The candidate was awarded **0 marks** because they did not explain two advantages of Virtual Reality Modelling Language (VRML) over other graphic media.

### Question 2g

The candidate was awarded **0 marks** because '*file size*' and accessibility are not valid answers in this context.

### Question 3a

The candidate was awarded **3 marks**.

- ◆ smaller file size (**1 mark**)
- ◆ zoom and curve will stay the same quality (**1 mark**)
- ◆ edit and modification (**1 mark**)

### Question 3b

The candidate was awarded **2 marks** because they identified two colour matching processes (RGB and Pantone) and acknowledged the universally understood.

### Question 3c

The candidate was awarded **0 marks** because their response was not relevant to the changes requested in this question.

### Question 3d

The candidate was awarded **0 marks** because their response was weak and vague and did not give an acceptable description of offset lithography.

### Question 4a

The candidate was awarded **2 marks**.

'continuity of logo' (**1 mark**)

'identity of brand' (**1 mark**)

### Question 4b

The candidate was awarded **2 marks** because they identify protection of reputation/brand/legal rights '*prevent copies*' and '*steeling brand names and colours*' within their answer.

### Question 4c

The candidate was awarded **1 mark** because the following statements related to the mark scheme.

Colour

**1 mark** for 'use of colour in graphic 3, eco-friendly and care about environment'

### Question 5a

The candidate was awarded **0 marks** because although there is reasonable structure to the response, there are numerous errors throughout related to dimensioning, terminology even when taking consideration of the follow on rule to marking.

### Question 5b

The candidate was awarded **0 marks** because again errors have been made through the description and sketching of the modelling process. Terminology is poor and should be according to the CAS as these are the only examinable terms.

### Question 5c

The candidate was awarded **0 marks** because little has been undertaken to provide a full or valid description of the initial steps.

## Question 5d

The candidate was awarded **0 marks** because incorrect terms have been used and the answer needs a fuller explanation to describe this process