

Candidate 3

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

Question 1a

The candidate was awarded **0 marks** because '*constrained*' is not a command.

Question 1b (i)

The candidate was awarded **0 marks** because '*isometric view*' is incorrect.

Question 1b (ii)

The candidate was awarded **0 marks** because the wrong view has been answered. (The function of a tolerance was not clearly answered and would have received 0 marks, had the candidate responded in Question 1biii).

Question 1b (iii)

The candidate was awarded **0 marks** because the wrong view has been answered. (The function of a section in this instance would have been awarded 0 marks, had the candidate responded in Question 1bii).

Question 1c (i)

The candidate was awarded **0 marks** because the answer does not explain the features or information about the filetype in enough detail.

Question 1c (ii)

The candidate was awarded **1 mark** because they have identified that the file type is used for '*digital prototyping*' and that this can be used for testing. This answer infers that testing will lead to changes.

Question 1c (iii)

The candidate was awarded **0 marks** because whilst they have correctly mentioned a '*3 Dimensional image/view*', they have not demonstrated how this can be used in the redesign of the seat.

Question 1d (i)

The candidate was awarded **0 marks** because only texture mapping would be accepted as a technique.

Question 1d (ii)

The candidate was awarded **0 marks** because '*surface mapping*' is not an acceptable technique.

Question 1d (iii)

The candidate was awarded **1 mark** because they have correctly identified '*Bump-mapping*' and given a detailed explanation of its use.

Question 1e (i)

The candidate was awarded **0 marks** because no file type is given.

Question 1e (ii)

The candidate was awarded **0 marks** because Bitmap is incorrect.

Question 1e (iii)

The candidate was awarded **0 marks** because they have listed considerations rather than explaining them. For example, simply mentioning '*bleed*' without an explanation would not be enough to gain a mark without mentioning what it is used for and there is no mention of why the substrate choice is important.

Question 2a (i)

The candidate was awarded **0 marks** because they have responded without alluding to how the technology would be used by the manufacturer or in the case of '*see where the product works and does not work well*', is not detailed enough to merit a mark.

Question 2a (ii)

The candidate was awarded **0 marks** because they have incorrectly indicated that the method is time consuming, which is not always true. The candidate has indicated that the technology will not demonstrate FEA which is not relevant for this question.

Question 2b (i)

The candidate was awarded **0 marks** because loft has not been used correctly to create the model. To use shell, the candidate should have indicated which faces were to be removed. Fillet edges was not awarded a mark as it is not clearly indicated which edges are to be filleted.

Question 2b (ii)

The candidate was awarded **0 marks** because they have not made it clear how the loft is to be produced. The candidate should have indicated that the shell must include removing faces.

Question 2c

The candidate was awarded **3 marks** because they have correctly identified three requirements for FEA simulation:

- ◆ material choice **(1 mark)**
- ◆ dimensions (not required for the simulation) **(0 marks)**
- ◆ location of pressure **(1 mark)**
- ◆ force of pressure (infers scale of units) **(1 mark)**

Question 2d

The candidate was awarded **0 marks** because they have attempted only to describe features contained in the drawing rather than explaining how this would be relevant for manufacturing.

Question 3a

The candidate was awarded **4 marks** because the following elements and principles were identified and explained:

- ◆ line to emphasise the slogan **(1 mark)**
- ◆ unity, with regard to colour choice **(1 mark)**
- ◆ depth, created through the use of the dropped shadow **(1 mark)**
- ◆ alignment and how it has assisted the structure **(1 mark)**

Question 3b

The candidate was awarded **0 marks** because the effect on the brand has not been identified throughout the answer. The three bullet points in this response all relate to colour choices and have not identified any specific printed or digital media.

Question 3c

The candidate was awarded **1 mark** for registration marks however the rest of the answer was vague and lacked the depth of knowledge necessary to gain marks.

Although bleed has been specified, no recommended value has been given (**0 marks**).

- ◆ crop marks (this mark has already been given under the maximum 1 mark rule for registration marks) (**0 marks**)
- ◆ paper size (**0 marks**)
- ◆ colour match boxes (not a correct term and this mark has already been given under the maximum 1 mark rule for registration marks) (**0 marks**)

Question 3d

The candidate was awarded **1 mark** because Offset lithography is the correct printing process.

Question 3e

The candidate was awarded **4 marks** because all explanations of the graphic techniques are relevant to the specific images:

- ◆ white outline to separate the information (grid structure) (**1 mark**)
- ◆ bold font (**1 mark**)
- ◆ colour coding (**1 mark**)
- ◆ unity has been created (with justification) (**1 mark**)

Question 4a

The candidate was awarded **2 marks** because they have correctly identified 'underground survey' (**1 mark**) and their description shows that they understand the purpose of the survey (**1 mark**).

Question 4b (i)

The candidate was awarded **1 mark** because they only provided one description — use of dimensions to produce a scaled model.

Question 4b (ii)

The candidate was awarded **1 mark** because only one description was offered — FEA for structural analysis.

Question 4b (iii)

The candidate was awarded **1 mark** because only one description was offered — material lists for construction.

Question 5a

The candidate was awarded **2 marks** because they have described the following:

- ◆ ability to reach a wider audience (*'different languages'*) **(1 mark)**
- ◆ identifying a *'physical relationship between customer and company'* infers online behaviour **(1 mark)**

No marks were awarded for the following:

- ◆ *'tv adverts'* discusses a wider audience which has already been awarded a mark **(0 marks)**
- ◆ *'being able to view more than one page at a time'* is not an advantage over printed media **(0 marks)**

Question 5b (i)

The candidate was awarded **3 marks** because they have explained the following:

- ◆ *'clearly and orderly'* infers grid structure **(1 mark)**
- ◆ *'equal spacing'* **(1 mark)**
- ◆ text alignment **(1 mark)**

Question 5b (ii)

The candidate was awarded **3 marks** because they have explained the following:

- ◆ dropdown menus **(1 mark)**
- ◆ use of white space **(1 mark)**
- ◆ *'Each section...clearly identifiable'* (visual cues) **(1 mark)**

Question 5b (iii)

The candidate was awarded **0 marks** because they have not been specific when referring to file types used.