

Candidate 3

The candidate was awarded a total of **29 marks**.

Question 1(a)

The candidate was awarded **4 marks** because they correctly describe the contrast of black and gold (1 mark), texture of the gold stripe creating contrast with the rest of invitation (1 mark), gold finish/colour/material indicating luxury (1 mark) and the use of a modern font (1 mark) all fulfilling aspects of the design brief.

Question 1(b)

The candidate was awarded **2 marks** for the correct explanation of Pantone, and checking for correct colours and duplexing, ensuring that the invitation can be printed double sided.

Question 2(a)

The candidate was awarded **2 marks** because they correctly describe the helix and total height, and the 12-degree taper. Several dimensions are required to access the mark, such as the pitch being identified from the sketch. The candidate does not achieve marks for mentioning 'using given dimensions' as this should form part of their response.

Question 2(b)

The candidate was awarded **2 marks** because their description includes manipulation of appropriate lines in the mesh, and conversion of the freeform back to a solid model.

Question 3(a)

The candidate was awarded **1 mark** because they describe the image showing a view of the whole jersey.

Questions 3(b)

The candidate was awarded **1 mark** because they explain that dpi relates to printed media, and ppi relates to digital media.

Question 3(c)

The candidate was awarded **1 mark** because they reference the artwork guidelines and explained that image resolution must be correct for the space available within the template.

Question 3(d)

The candidate was awarded **0 marks** because they suggest that screen printing will not be clear enough. However, screen printing is capable of producing vibrant colours.

Question 3(e)

The candidate was awarded **0 marks** because they did not submit a response to this question.

Question 4(a)

The candidate was awarded **2 marks** because they identify materials and give a description of how they have been used. Depth of field is a design element and not an illustration technique.

Question 4(b)

The candidate was awarded **0 marks** because they did not submit a response to this question.

Question 4(c)

The candidate was awarded **2 marks** because they identify spotlight and ambient light however, the descriptions do not demonstrate an understanding of how these techniques have been applied. 'Direct lighting' does not gain a mark as it must be 'directional lighting'.

Question 5(a)

The candidate was awarded **1 mark** because they describe using the FEA results to improve the weaker parts of the structure.

Question 5(b)

The candidate was awarded **1 mark** because they explain that a topographical survey is needed by the model maker so that the bridge fits into the shape of the landscape.

Question 5(c)

The candidate was awarded **0 marks** because they mention that motion tweening is quicker and more accurate but offer no description as to the reason why.

Question 6(a)

The candidate was awarded **2 marks** because they identify the layout of the screen which helps to speed up ordering and makes it simple for a variety of users.

Question 6(b)

The candidate was awarded **0 marks** because there is no specific reference to the logo, and the description of the silhouette is not clear.

Question 6(c)(i)

The candidate was awarded **2 marks** because they describe the radial balance leading the eye to the menu choices, and the radial balance/circular arrangement emphasises or links to the shape of the pizza.

Question 6(c)(ii)

The candidate was awarded **1 mark** because their description mentions the texture of the pizza toppings adding realism.

Question 6(d)

The candidate was awarded **1 mark** because 'Transitions' is accepted for describing the change of position from image A to image B.

Question 7(a)

The candidate was awarded **2 marks** because they describe the use of the first angle projection symbol, and that the deck feature does not appear in the features list.

Question 7(b)(i)

The candidate was awarded **1 mark** because they mention tangent constraint. However, dimensions of both arcs must be included for a further mark to be awarded.

Question 7(b)(ii)

The candidate was awarded **1 mark** because they identify the irregular fillet however, the positions of the different radii have not been specified.

Question 7(c)(i)

The candidate was awarded **0 marks** as CFD is not related to pressure and forces.

Question 7(c)(ii)

The candidate was awarded **0 marks** because their response is repetition of question content and does not demonstrate an understanding of the motion capture technique.