

Candidate 4

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

Section 1 - Total marks 40/60

Q1(a) (i)

The candidate was awarded **1 mark** because 'beach' is a correct response.

Q1(a) (ii)

The candidate was awarded **1 mark** because 'so you don't damage the other leg if you go over the line' is a correct response.

Q1(a) (iii)

The candidate was awarded **0 marks** because the response was incorrect.

Q1(a) (iv)

The candidate was awarded **1 mark** because 'outside calipers' is a correct response.

Q1(b) (i)

The candidate was awarded **2 marks** because 'cutting out groove' and 'tenon saw' are correct responses.

Q1(b) (ii)

The candidate was awarded **0 mark** because the response was incorrect.

Q1(b) (iii)

The candidate was awarded **2 marks** because 'measure the 2 diagonals' and 'use a try square in the corners' are correct responses.

Q1(c) (i)

The candidate was awarded **1 mark** because 'manufactured in big sheets' is a correct response. The reference to cheap is unqualified.

Q1(c) (ii)

The candidate was awarded **2 marks** because 'make sure that the drill bit is properly secured' and 'set to the correct speed.' are correct responses.

Q1(c) (iii)

The candidate was awarded **2 marks** because 'sand the MDF before applying the paint' and 'apply a few coats of paint' are correct responses.

Q1(d)

The candidate was awarded **2 marks** because 'folded over the material' (implies use of a former) and 'held in place by han or by a clamp until it cooled down' are correct responses.

Q1(e) (i)

The candidate was awarded **1 mark** because 'it is strong so it won't break' is a correct response.

Q1(e) (ii)

The candidate was awarded **2 marks** because 'use a engineers square on a scribe to mark it out.' are correct responses.

Q1(e) (iii)

The candidate was awarded **2 marks** because 'cut the corner off by using a hacksaw' and 'round and smooth it with a file' are correct responses.

Q1(e) (iv)

The candidate was awarded **2 marks** because 'bend the 90° angles over a 90° object' (implies use of a former) and 'using a hind hamer/mallet' are correct responses.

Q2(a) (i)

The candidate was awarded **3 marks** because 'make up relevant questions', 'ask as many people as you can the questions.' and 'gather the information together' are correct responses.

Q2(a) (ii)

The candidate was awarded **0 marks** because the response was incorrect.

Q2(b)

The candidate was awarded **1 mark** because 'to guide the desingners' is a correct response

Q2(c)

The candidate was awarded **0 marks** because the response was incorrect.

Q3(a)

The candidate was awarded **2 marks** because 'it shows you what it would/could look like' and 'lets you make and changes or adjustments' are correct responses.

Q3(b)

The candidate was awarded **0 marks** because the response was incorrect.

Q4

The candidate was awarded **3 marks** because 'so that the desinger can interact with it and hold it.' and 'let's you see the scale and proportion of the modle' and 'see if there is any faults in the desing that needed to be changed' are correct responses.

Q5(a)

The candidate was awarded **3 marks** because 'handle would...comforterbly fit the average hand size', 'The buttons...width of a persons thumb.' and 'adjust to roughly waist high of the person using it' are correct responses.

Q5(b)

The candidate was awarded **0 marks** because the response was incorrect.

Q5(c)

The candidate was awarded **1 mark** because 'desinged with curves to keep people safe from tripping and hitting their head off the sharp edges.' is a correct response.

Q6(a)

The candidate was awarded **3 marks** because 'bright and colourful to catch the eye', 'iregular shape to make it look unique.' and 'The speaker is also smooth' are correct responses.

Q6(b)

The candidate was awarded **1 mark** because 'it makes the product seem better' is a correct response.

Q6(c)

The candidate was awarded **2 marks** because 'advertising' and 'free trial' are correct responses.

Section 2 – Total marks 15/20**Q7(a) (i)**

The candidate was awarded **2 marks** because 'iron' and 'is heavy' are correct responses.

Q7(a) (ii)

The candidate was awarded **1 mark** because 'strong so it can hold heavy objects' is a correct response. No marks are awarded for selecting the wrong material.

Q7(b)

The candidate was awarded **2 marks** because 'would be a rough texture' and 'small circles from where the runner and riser was cut off' are correct responses.

Q7(c)

The candidate was awarded **2 marks** because 'spin lock collars are exactly the same' and 'so that it fits onto the bar perfectly' (accuracy) are correct responses.

Q7(d)

The candidate was awarded **0 marks** because the response was incorrect.

Q8(a)

The candidate was awarded **2 marks** because 'alot of people have the same product' and 'makes it alot easier for people to replace their product' are correct responses.

Q8(b)

The candidate was awarded **1 mark** because 'Some products are customised' is a correct response.

Q9

The candidate was awarded **1 mark** because 'the owner could just buy another component that is the exact same to replace the old one' is a correct response.

Q10

The candidate was awarded **4 marks** because 'could recycle old plastic', 'not use plastic and find a different material', 'employ more people to reduce the amount of carbon dioxide that is being released' and 'replant trees to reduce deforestation' are all correct responses.

Total marks – 55/80