

Candidate 3

Section 1 – Total marks 36/60

Q1(a) (i)

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

Q1(a) (ii)

The candidate was awarded **1 mark** because 'if you accidentally cut the wrong length you can fix the problem' 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 **4 marks** because 'Marking gauge', 'Cut groove', 'Jack plane' and tenon saw' are correct responses.

Q1(b) (ii)

The candidate was awarded **1 mark** because 'easier to cut the groove along the whole piece of wood' is a correct response.

Q1(b) (iii)

The candidate was awarded **1 mark** because 'use a try square...to find right angles in all four corners.' is a correct response.

Q1(c) (i)

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

Q1(c) (ii)

The candidate was awarded **2 marks** because 'Chuck key is removed' and 'Safety guard is down' are correct responses.

Q1(c) (iii)

The candidate was awarded **2 marks** because 'put several coats on.' and 'Pencil marks are sanded down' are correct responses. No marks were awarded for drilling the holes after painting as in the sequence of the question, the holes have already been drilled.

Q1(d)

The candidate was awarded **2 marks** because 'template can be used...it can be folded quickly and accurately.' is the correct response.

Q1(e) (i)

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

Q1(e) (ii)

The candidate was awarded **3 marks** because 'will need a steel rule and a scribe to find the length and to mark the length.' and 'use an engineer's square and scribe to draw a straight line' are correct responses.

Q1(e) (iii)

The candidate was awarded **2 marks** because 'use a hacksaw to cut off the majority of the material.' and 'use a file to smooth and round the corners.' are correct responses.

Q1(e) (iv)

The candidate was awarded **2 marks** because 'use an engineer's vice' and 'piece of metal material with 90° angles sat in the vice' (implies use of a former) are correct responses.

Q2(a) (i)

The candidate was awarded **1 mark** because 'to give a broad range of questions' is a correct response.

Q2(a) (ii)

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

Q2(b)

The candidate was awarded **1 mark** because 'you know what your goal is.' (implies a clear idea of what the product should be/do) is a correct response.

Q2(c)

The candidate was awarded **2 marks** because 'have a piece of paper and pencil to quickly write down an idea' and 'influence you and maybe spark an idea.' are correct responses.

Q3(a)

The candidate was awarded **1 mark** because 'it allows you to change anything or evolve it.' is a correct response.

Q3(b)

The candidate was awarded **1 mark** because 'you know what sizes to get of material' is a correct response.

Q4

The candidate was awarded **2 marks** because 'to have a feel for it' and 'see if anything might need to be changed' are correct responses.

Q5(a)

The candidate was awarded **1 mark** because 'made the handles for the iron slightly bigger to fit the average size male.' is a correct response.

Q5(b)

The candidate was awarded **1 mark** because 'somewhere to sit the iron when folding clothes.' is a correct response.

Q5(c)

The candidate was awarded **1 mark** because 'warning labels and a warning light so they know not to touch the iron.' is a correct response.

Q6(a)

The candidate was awarded **1 mark** because 'bright colours which would attract your attention.' is a correct response.

Q6(b)

The candidate was awarded **2 marks** because 'people would be able to identify it more easily' and 'people would know it is reliable because they trust the brand' are correct responses.

Q6(c)

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

Section 2 – Total marks 9/20**Q7(a) (i)**

The candidate was awarded **1 mark** because 'is heavy' is a correct response. No marks are awarded as the wrong material was selected.

Q7(a) (ii)

The candidate was awarded **1 mark** because 'easy to cut and shape the grooves' is a correct response. No marks are awarded as the wrong material was selected.

Q7(b)

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

Q7(c)

The candidate was awarded **1 mark** because 'unique and difficult shape.' is a correct response.

Q7(d)

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

Q8(a)

The candidate was awarded **1 mark** because 'we have too much of a product...lots of people have a demand for a specific product' (readily available/consumer demand) is a correct response.

Q8(b)

The candidate was awarded **1 mark** because 'the material is too rare.' is a correct response.

Q9

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

Q10

The candidate was awarded **4 marks** because 'Make less of their product', 'Use renewable energy instead of fossil fuels.', 'Recycle their material' and 'buy the materials from a renewable source.' are correct responses.

Total marks - 45/80