

Candidate 8

Section 1 - Total marks 44/60

Q1(a) (i)

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

Q1(a) (ii)

The candidate was awarded **2 marks** because 'space for errors/mistakes.' and 'end pieces allow the front and back points to enter ... no holes will be in the pegs.' are correct responses.

Q1(a) (iii)

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

Q1(a) (iv)

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

Q1(b) (i)

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

Q1(b) (ii)

The candidate was awarded **1 mark** because 'So that the chamfer is consistent' is a correct response.

Q1(b) (iii)

The candidate was awarded **1 mark** because 'using a tri-square and pressing it against the corner' is a correct response.

Q1(c) (i)

The candidate was awarded **2 marks** because 'easy to work with' and 'readily available' are correct responses.

Q1(c) (ii)

The candidate was awarded **1 mark** because 'protective shield must be down' is a correct response.

Q1(c) (iii)

The candidate was awarded **3 marks** because 'Sand all sides', 'apply MDF sealant' and 'finish with multiple coats' are correct responses.

Q1(d)

The candidate was awarded **2 marks** because 'placed over a strip heater until it became foldable' and 'bent in a vice or with a mallet ... its desired shape.' are correct responses.

Q1(e) (i)

The candidate was awarded **2 marks** because 'easy to work' and 'readily available' are correct responses.

Q1(e) (ii)

The candidate was awarded **2 marks** because ‘+ like shapes would be marked ... a scribe’ and ‘centre punched’ are correct responses.

Q1(e) (iii)

The candidate was awarded **2 marks** because ‘abra file ... to cut the corners’ and ‘filed down to become round.’ are correct responses.

Q1(e) (iv)

The candidate was awarded **2 marks** because ‘placed in a vice’ and ‘malleted repeatedly until the bends are at 90°.’ are correct responses.

Q2(a) (i)

The candidate was awarded **1 mark** because ‘address multiple options ... questions must be based around the given topic’ is a correct response. The reference to ‘collect the most reliable information.’ is referring to deciding on the questions used rather than the process of collecting results, so no further marks are awarded.

Q2(a) (ii)

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

Q2(b)

The candidate was awarded **1 mark** because ‘make a checklist of what his product must be/do.’ is a correct response.

Q2(c)

The candidate was awarded **1 mark** because ‘write down everything that comes to your head’ is a correct response.

Q3(a)

The candidate was awarded **1 mark** because ‘allows the designer to see the internal parts of the wheel’ is a correct response.

Q3(b)

The candidate was awarded **1 mark** because ‘displays the dimensions’ is a correct response.

Q4

The candidate was awarded **2 marks** because ‘showing you what the final or initial product will look like’ and ‘allow for colour selection.’ are correct responses.

Q5(a)

The candidate was awarded **4 marks** because ‘comfort of the handle’, ‘buttons ... easy to identify therefore putting temperatures and numbers on the iron.’, ‘iron has to be a manageable weight’ and ‘handle has to be able to fit the majority of hand sizes.’ are correct responses.

Q5(b)

The candidate was awarded **1 mark** because 'turn water into hot steam and be released when the user commands.' is a correct response.

Q5(c)

The candidate was awarded **1 mark** because 'legs must be secure and be able to hold the weight of the board plus the iron when applied.' is a correct response.

Q6(a)

The candidate was awarded **3 marks** because 'bright and attractive colours', 'unique shape' and 'full body smooth and round finish' are correct responses.

Q6(b)

The candidate was awarded **2 marks** because 'company to be recognised as either good and reliable' and 'allows the company to sell the speaker at a high price' are correct responses.

Q6(c)

The candidate was awarded **2 marks** because 'radio promoting' and 'public demos' are correct responses. 'TV advertisement' is under the same bullet point as 'radio promoting' in the marking instructions but is not incorrect so consideration of the last point is fine.

Section 2 – Total marks 12/20**Q7(a) (i)**

The candidate was awarded **2 marks** because 'Iron' and 'there's plenty of it' are correct responses.

Q7(a) (ii)

The candidate was awarded **2 marks** because 'mild steel' and 'it can be painted' are correct responses.

Q7(b)

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

Q7(c)

The candidate was awarded **2 marks** because 'complex/unique shape' and 'can be mass produced.' are correct responses.

Q7(d)

The candidate was awarded **0 marks** because the responses are incorrect.

Q8(a)

The candidate was awarded **2 marks** because 'allows multiple items to be repeatedly made in massive numbers and sold for cheap prices' and 'good for when a product is in high demand by consumers' are all correct responses.

Q8(b)

The candidate was awarded **1 mark** because 'require special hand work that machinery might not be capable of.' is a correct response.

Q9

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

Q10

The candidate was awarded **2 marks** because 'reduce their CO2 emissions' and 'stay away from places that are populated with living creatures' are correct responses.

Total marks – 56/80