MARK SCHEME
Maximum Mark: 50

## Published

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## Section A

| Question | Answer | Marks |
| :---: | :--- | ---: |
| A1(a)(i) | Outline of the sheet of paper drawn [1] <br> Outline correct to overlay (148 $\mathrm{mm} \times 105 \mathrm{~mm}$ ) [1] | $\mathbf{2}$ |
| A1(a)(ii) | Two fold lines added [1] <br> Fold lines correct to overlay or candidate outline of paper [1] <br> Fold lines shown by a recognised convention (label or type of line) [1] | $\mathbf{3}$ |
| A1(a)(iii) | Some thick and thin lines added to the drawing of the table [1] <br> Thick and thin line technique correctly added to the drawing of the table [1] | $\mathbf{2}$ |
| A1(b) | Sketch shows the table raised or indented [1] <br> Notes indicate the drawing has been pushed up or pushed into the paper | $\mathbf{2}$ |
| A2(a) | 20mm circle <br> Any ellipse added [1] <br> Ellipse to correct size [1] <br> Ellipse correct to overlay [1] <br> 50 mm $\times$ 30 mm text box <br> Rectangle correct to overlay (size and in isometric) [1] | $\mathbf{4}$ |
| A2(b) | Acceptable answers include: <br> Size [1] <br> Colour [1] <br> Font [1] <br> Typeface [1] <br> Style - underlined, bold, italic... [1] <br> [1] + [1] | Max 2 |
| A3(b) | Top right vertical completed [1] <br> Fold line completed to convention [1] <br> Bottom half of closure correct to overlay [1] <br> Any second slot added [1] <br> Euroslot correct orientation [1] <br> Euroslot correct to overlay [1] | Three dimensional bar chart drawn [1] <br> Three bars labelled (small, medium and large) [1] <br> Use of a scale clearly evident (vertical line) [1] <br> Sales correctly plotted to the scale [1] |
| $\mathbf{y}$ | $\mathbf{4}$ |  |

## Section B

| Question | Answer | Marks |
| :---: | :--- | ---: |
| B4(a)(i) | Any second ear added to RHS [1] <br> Second ear correct to overlay [1] <br> Vertical and horizontal lines added [1] | $\mathbf{3}$ |
| B4(a)(ii) | Left half of glue tab added to overlay [1] <br> Fold line added [1] <br> Tail of the correct shape added in the given box [1] <br> Tail touches bottom, left and top edges of given box [1] | $\mathbf{4}$ |
| B4(a)(iii) | Base the correct length [1] <br> Vertical line the correct height [1] <br> Diagonal line correct to candidate solution [1] | $\mathbf{3}$ |
| B4(b) | Development made from five connected surfaces [1] <br> Back a rectangular shape [1] <br> with two ears and a tail box [1] <br> Rectangular base added to the bottom of the back [1] <br> Rectangular front joined to the base [1] <br> Two triangle shaped surfaces added to the base or front [1] + [1] <br> Two triangles in the correct orientation [1] <br> Five glue tabs added to hold the box together [1] <br> Fold lines labelled or shown using a standard convention [1] <br> * There are at least two different solutions to this development (net). <br> 1 Folding out from the base (star shape). <br> 2 Long strip with triangles folding out from the base or front (not the back). | $\mathbf{1 0}$ |
| B4(c)(i) | Shape [1] <br> Memory [1] <br> Alloy [1] | $\mathbf{3}$ |
| B4(c)(ii) | Acceptable answers include: <br> Easy to bend [1] <br> Will return to original shape [1] <br> Safe material [1] <br> [1] + [1] | Max 2 |


| Question | Answer | Marks |
| :---: | :--- | ---: |
| B5(a) | Two layers (vertical or horizontal shown) [1] <br> The best layer clearly has a thin top layer [1], thin bottom layer [1] and thicker <br> middle layer [1] <br> Middle layer rendered to look like foam [1] <br> Two layers (vertical or horizontal shown) [1] <br> One layer rendered to look like Styrofoam [1] <br> Second layer rendered to look like wood and has some grain or matching side <br> and end grain [1] + [1] | $\mathbf{9}$ |
| B5(b)(i) | Acceptable reasons include: <br> Available in big blocks so no need to stick layers together [1] <br> Easy to cut to shape [1] <br> Easy to add surface details [1] <br> Accept 'Lightweight' [1] <br> [1] + [1] | Max 2 |
| B5(b)(ii) | Acceptable answers include: <br> Double sided tape [1] <br> PVA [1] <br> Do not accept - contact adhesive, acetate adhesive or hot melt | $\mathbf{1}$ |
| B5(c) | lsometric block drawn (regardless of number of layers) [1] <br> Isometric block has five layers [1] <br> Overall height correct [1] <br> Layer one lined in [1] <br> Layer two rotated [1] <br> Layer two correct to overlay [1] <br> Layer three completed to overlay [1] <br> Layer four rotated [1] <br> Layer four correct to overlay [1] <br> Layer five completed to overlay [1] | $\mathbf{1 0}$ |
| B5(d) | Sketches show a method such as labels, drawing, cutting out [1] <br> Notes or labels name the method [1] <br> Sketch shows method being used on a block [1] | $\mathbf{3}$ |

