

**GCSE (9–1) Design and Technology**  
**J310/01 Principles of design and technology**  
Sample Insert

**Date – Morning/Afternoon**

Time allowed: 2 hours

**You must have:**

- the Question Paper



**INFORMATION FOR CANDIDATES**

- This document is to be used when answering **Section B**.
- The question paper tells you when to refer to the information contained in this Insert.
- This document consists of **4** pages. Any blank pages are indicated.

**INSTRUCTION TO EXAMS OFFICER/INVIGILATOR**

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Information on this page is required to answer Questions 4, 5 and 6.



Image A



Image B



Image C



Image D



Image E



Image H



Image F



Image G

Information on this page is required to answer **Question 5 only**.

**Product 1:** Information leaflets shown in Image A - (papers and boards)

Size: Width 100 mm x length 210 mm

Features: 6 leafs that are all the same size and are printed on both sides as shown in the image to the right.

Quantity manufactured in a production cycle: 500 000



**Product 2:** High visibility jacket shown in Image B - (fibres and fabrics)

Size: Standard unisex chest sizes small = 92 mm, medium = 96 mm, large = 100 mm, extra-large = 104 mm

Features: Grey strips shown are all 30 mm wide.

Front is fastened with poppers.

Quantity manufactured in a production cycle: 125 000



**Product 3:** Arrivals/departures board shown in Image E - (design engineering)

Size: Screen size; width 450 mm x height 550 mm x thickness 105 mm

Features: The display has 10 rows of information. Cables are carried back to a central information computer through hollow metal tubing. The text of the information is pixilated.

Quantity manufactured in a production cycle: 75 000



**Product 4:** Retractable tape barrier shown in Images F and G - (polymers)

Size: Width 95 mm x depth 90 mm x height 100 mm (front), 140 mm (back)

Features: The casing is fixed to a metal post. The textiles tape has a polymer end that is: Width 20 mm x depth 20 mm x height 60 mm

Quantity manufactured in a production cycle: 35 000



**Product 5:** Toilet sign shown in Image H - (metals)

Size: Width 300 mm x height 120 mm x overall thickness 60 mm

Features: The sign is fixed onto a frame that has two 20 mm rods joining it to a 6 mm wall bracket that is: Width 60 mm x height 120 mm

Quantity manufactured in a production cycle: 10 000



**Product 6:** Flower planter shown in Image H - (timbers)

Size: Width = 600 mm, depth = 600 mm, height = 420 mm

Features: The corner posts shown are 500 mm tall in total and 45 mm wide. The ball tops have a 50 mm diameter.

Quantity manufactured in a production cycle: 2 000



Draft

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