Section A

Answer all questions in this section.

A shower gel for teenagers is called 'COOL'.
The logo design for the label is shown below.

A1 Complete the full-size view of the logo in the space provided to the right by drawing:

(a) the logo outline [2]
(b) the 'COOL' lettering [5]
(c) the 3-pointed shape in the top semi-circle. [3]

A2 (a) The logo is positioned in the centre of a rectangular label.
The label measures 200 × 170.
Draw the outline of the label around the logo. [3]

(b) The logo is to be printed onto self-adhesive vinyl labels.
   (i) Name a suitable printing method for printing a batch of 10,000 labels.
       ................................................................................................................. [1]

   (ii) Give one benefit of using self-adhesive vinyl for the label compared to normal paper.
       ................................................................................................................. [1]
A point of sale display for shower gel is shown below.

(a) Complete the orthographic views of the point of sale display to a scale of 1:2.

[10]
Section B
Answer either question B4 or B5.

B4  A cardboard package for a shower gel bottle is shown below.

(a) In the space to the right complete the one-piece development (net) of the package.  [11]
(b) Add to the development (net) sufficient glue tabs to join the sides together.  [5]
(c) Name a suitable adhesive for gluing the package together.
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                                                                                      [1]
(d) The cardboard developments (nets) are to be cut using a die cutter.
    State one advantage and one disadvantage of using a die cutter to cut the nets.
    Advantage: ..................................................................................................................
                                                                                      [1]
    Disadvantage: .......................................................................................................... [1]
(e) Name a suitable material for the clear plastic window in the package.
                                                                                      [1]
(f) The material for the window will be glued to the inside of the net.
    State a suitable size for the window material to be cut out.
                                                                                      [2]

(g) In the space below draw a method of ‘locking’ the lid in place once the package is closed.  [3]
B5 Orthographic views of the shower gel bottle are shown below.

(a) In the space to the right, complete the isometric view of the bottle. [10]

(b) Complete the 3:1 scale pictorial drawing of the screw cap below by adding the elliptical shape of the top face. [7]

(c) Render the screw cap to look 3 Dimensional. [4]

d) Describe the anthropometrical information the designer would consider when deciding on the size and shape of the lid.

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e) The symbols below will be printed onto the shower gel bottle. State the meaning of each symbol.

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