Section A
Answer all questions in this section.

A package for a pocket radio is shown below.

The package has a cardboard outer sleeve with a clear plastic window. The styrofoam insert fits inside the sleeve.

A1 Complete the full size development (net) of the cardboard sleeve by drawing:

(a) the outer shape of the development (net) [5]
(b) the glue flap (10 mm wide) [2]
(c) the rectangular hole for the clear plastic window. [1]

A2 (a) State a suitable adhesive for:

(i) fixing the cardboard sleeve together

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(ii) fixing the clear plastic window in place.

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(b) State a suitable material for the clear plastic window.

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A3 The foam insert is shown below.

(a) Complete the orthographic view to the right by drawing:

(i) the missing hidden detail on the side view [4]
(ii) the front view including hidden detail. [7]

(b) The front view of the sleeve is shown to the right.

(i) State the scale that the front view of the sleeve has been drawn to.
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(ii) Complete the missing letters of POCKET RADIO on the front view of the sleeve. [2]
Section B
Answer either question B4 or B5.

B4 Orthographic views of a point of sale display stand for the pocket radio are shown below.

The stand is made from 2 mm acrylic.

(a) Complete the half scale isometric view of the display stand below. Ignore the thickness of the material. [11]

(b) The point of sale display is made using wooden formers. One of the formers is shown below.

Add rendering to make the former look like softwood. [4]

(c) The left hand half of a development (net) for another point of sale display is shown below.

The development (net) is made from card.

Complete in the space below a one point perspective view of the fully assembled development (net) to a scale of 1:2. [10]
(a) Complete the planometric view of the torch to a scale of 1:2. [11]

(c) An exploded view of the battery compartment assembly is shown below.

Complete the full size sectional view through the battery compartment in the space to the right. [11]