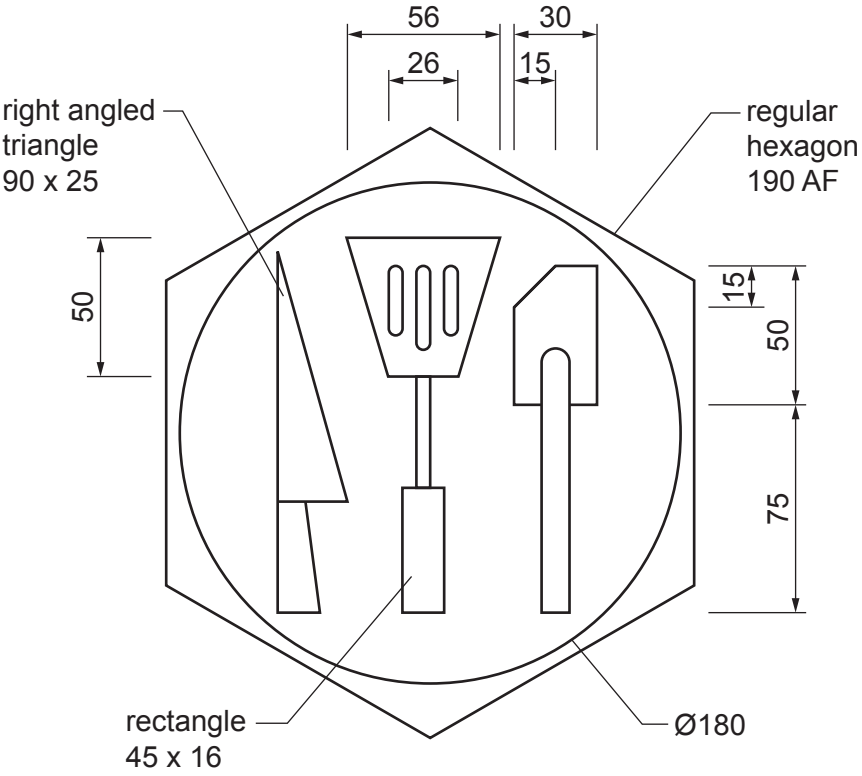


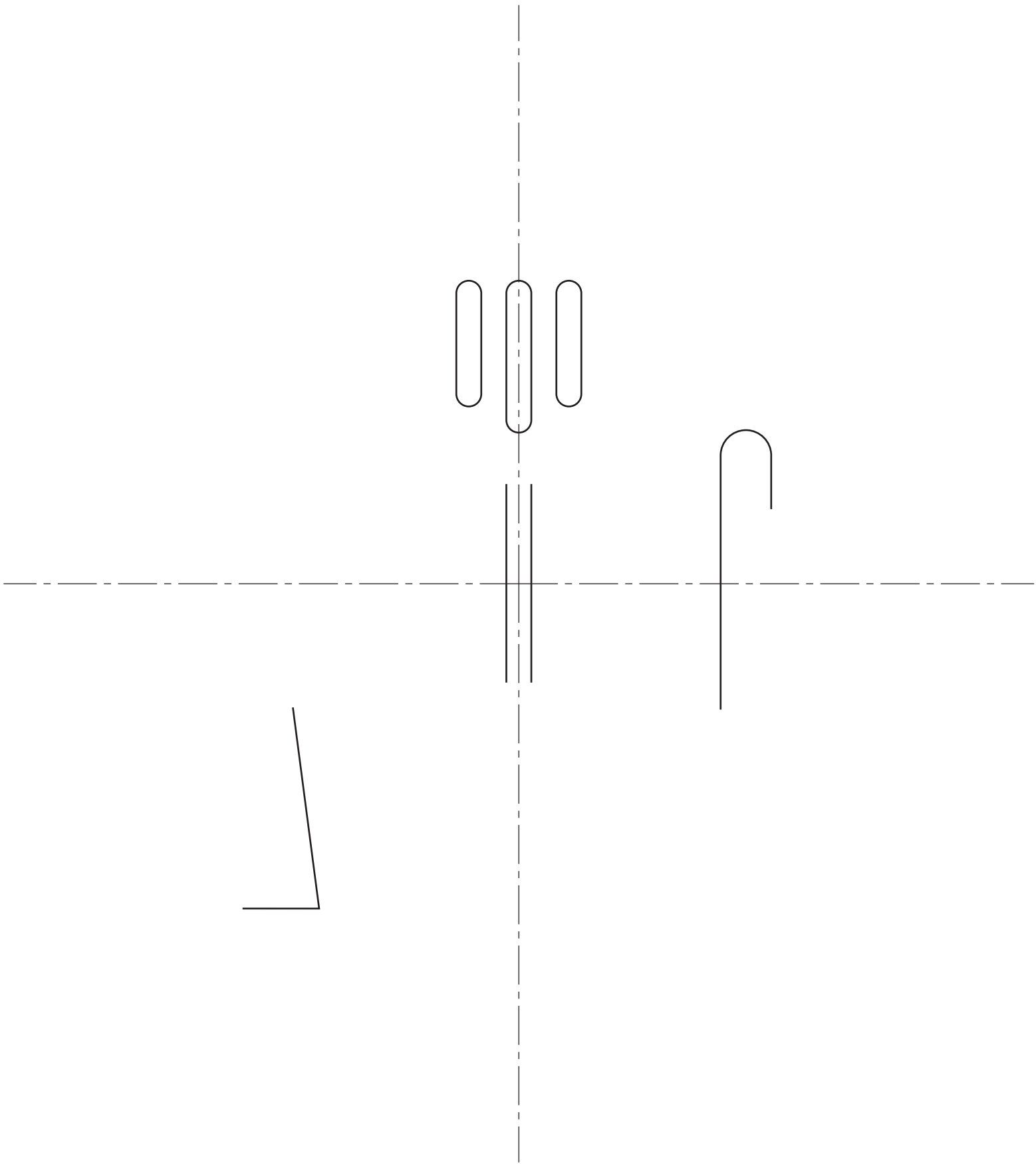
Section A
Answer **all** questions in this section.

A1 A design for the front cover of a recipe book is shown below.



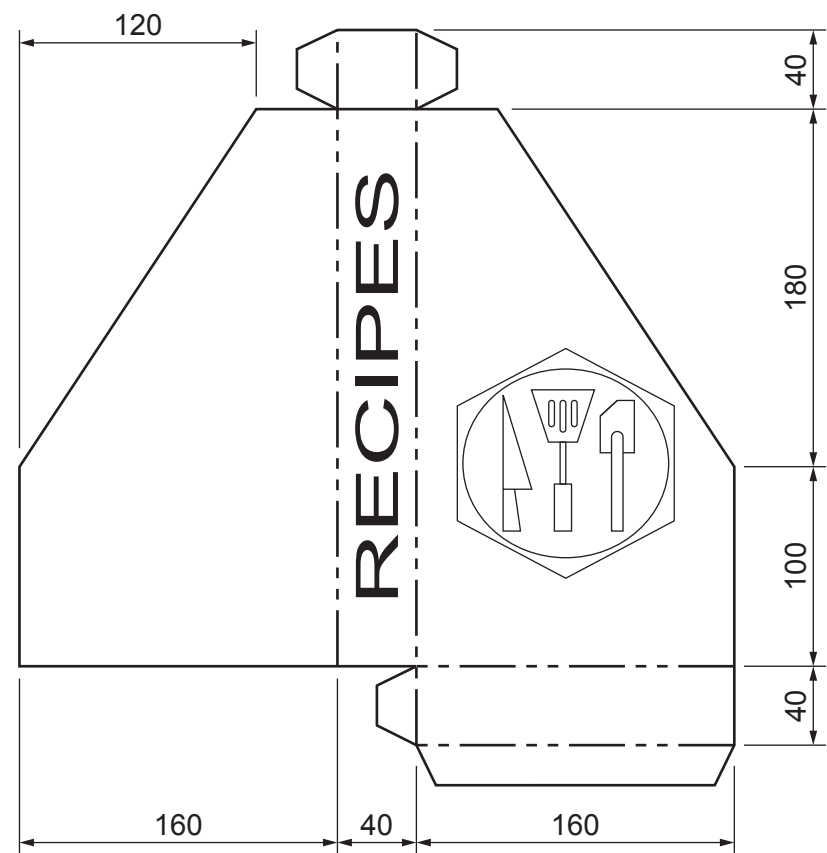
Complete the full-size drawing of the design by adding:

- (a) the kitchen knife [2]
- (b) the slotted spatula [5]
- (c) the baking spatula [4]
- (d) the outer circle [1]
- (e) the outer hexagon. [3]

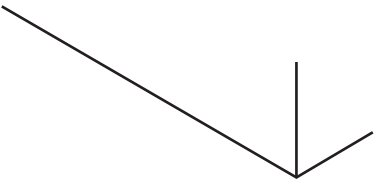
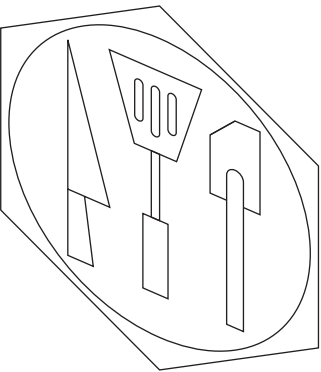


For Examiner's use

A2 A development (net) of a box file for the recipe book is shown below.



Complete the isometric view of the assembled box file to a scale of 1 : 2. [7]



assembled box file

A3 The box file is made from thick card.

(a) Describe a suitable method of creasing and folding the thick card.

.....
.....
..... [2]

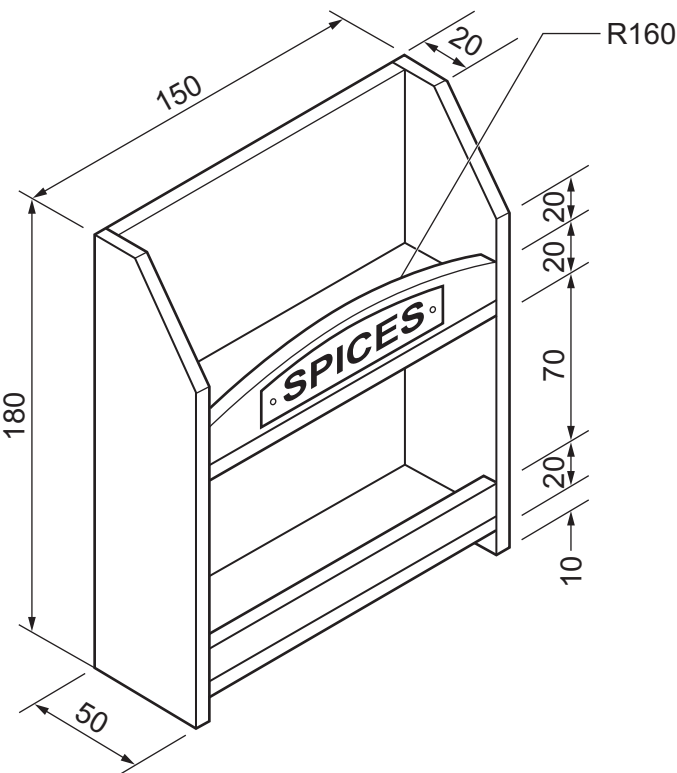
(b) Name a suitable adhesive to fix the development (net) of the box file together.

..... [1]

Section B
Answer **one** question, **either** Question **B4** or **B5**, from this section.

B4 A spice rack is shown below.

The spice rack is made from 6 mm hardwood.



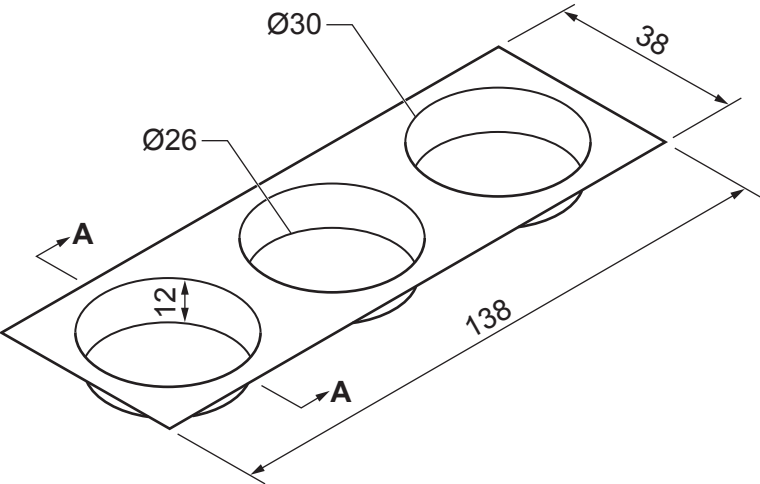
(a) Complete the orthographic views of the spice rack to a scale of 1:2. [13]

side view

front view



plan



(i) Complete the sectional view **A-A** through the vacuum formed insert to a scale of 2:1. [5]

—

sectional view **A-A**

(ii) Name a suitable thin sheet plastic for the insert. [1]

(c) The SPICES plaque on the front of the spice rack will be made from 3 mm plywood sheet using CAD/CAM.

The plaque is shown below.



(i) State **two** commands that would be used to draw the plaque design on CAD.

1

2

[2]

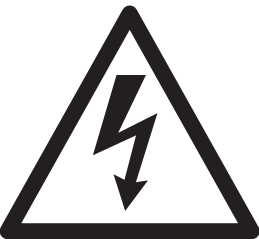
(ii) The SPICES text will be engraved onto the plywood and the outer shape will be cut out using a laser cutter.

Describe how the laser cutter could be set up to distinguish between cut lines and engrave lines so that the plaque design is produced correctly.

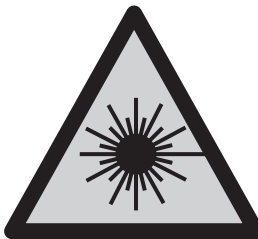
.....
.....
.....
.....
..... [2]

(d) Two safety symbols on the laser cutter are shown below.

State the meaning of each symbol.



.....
..... [1]



.....
..... [1]

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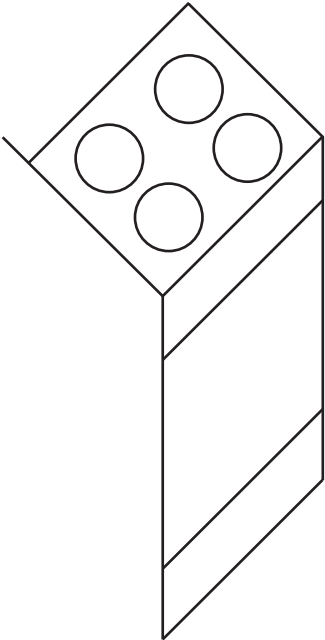
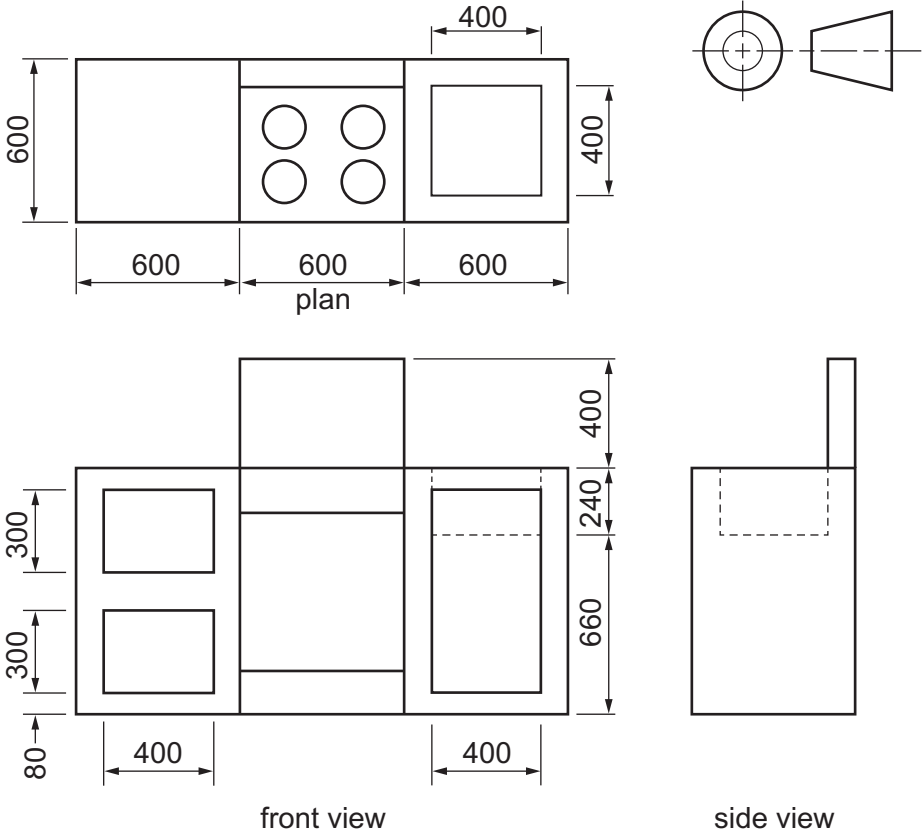
Centre Number

Candidate Number

Candidate Name

[Turn over]

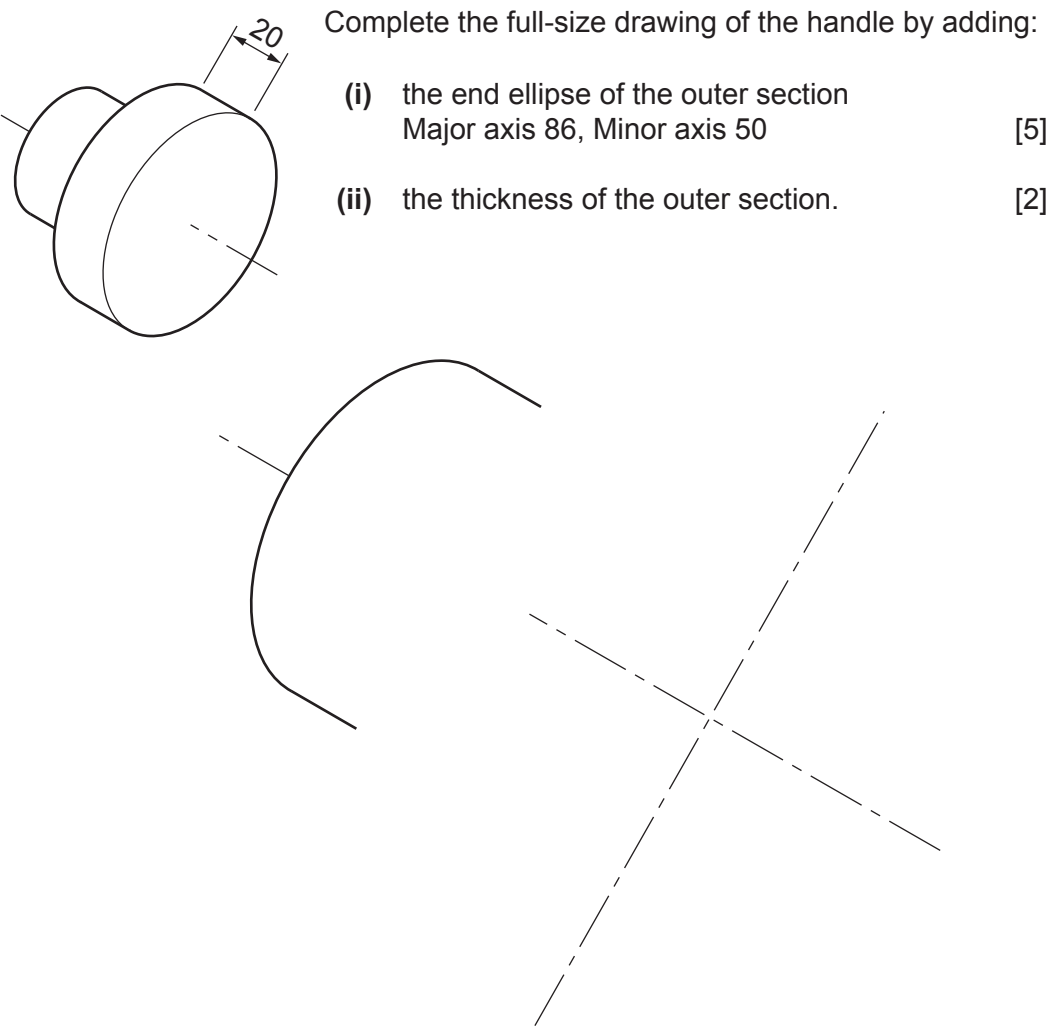
B5 Orthographic views of a kitchen workstation are shown below.



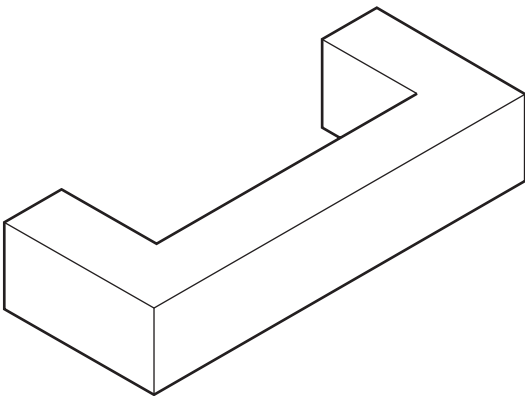
planometric view

(a) Complete the planometric view of the kitchen workstation to a scale of 1 : 20. [12]

(b) A handle for one of the cupboard doors is shown below.



(c) A handle for one of the drawers is shown below.



Complete the estimated two-point perspective view of the handle. [6]

