

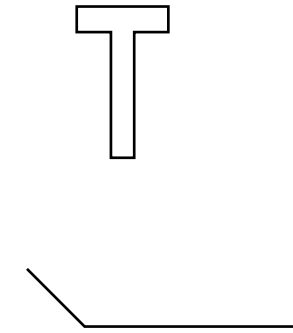
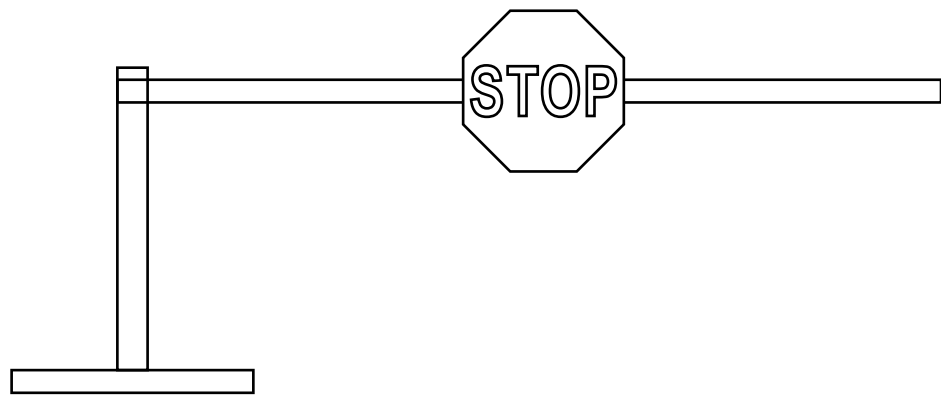
Section A

Answer **all** questions in this section.

A1 A drawing of barrier gate with a STOP sign for Thanda museum is shown below.

Given on the space to the right is an incomplete drawing of the STOP sign.

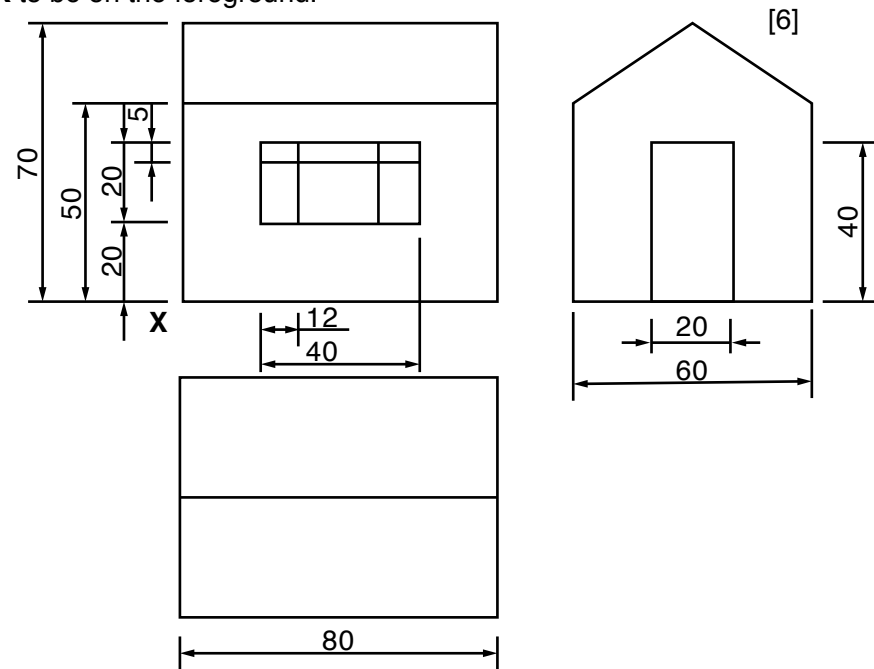
- (a) Add the missing letters. [4]
- (b) Using geometrical constructions complete the shape of the sign. [4]
- (c) Name the shape of the sign. [1]



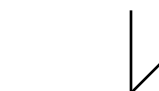
A2 A First Angle projection drawing of guard house at Thanda museum is shown below.

In the space given to the right draw in single point perspective drawing of the guard house projected from **VP**.

Make **X** to be on the foreground.



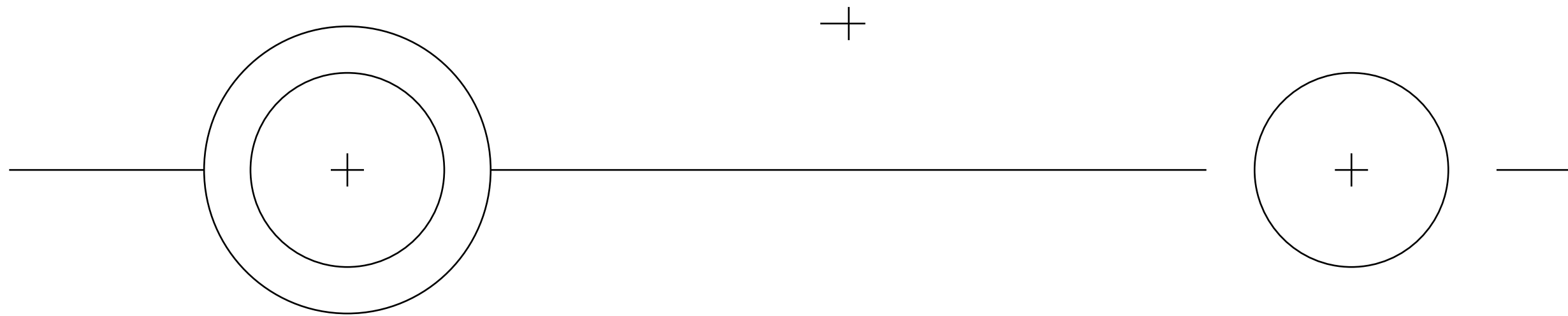
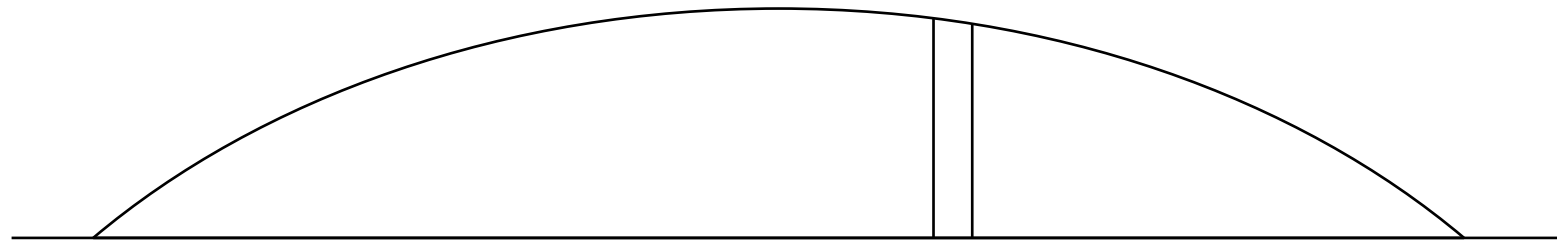
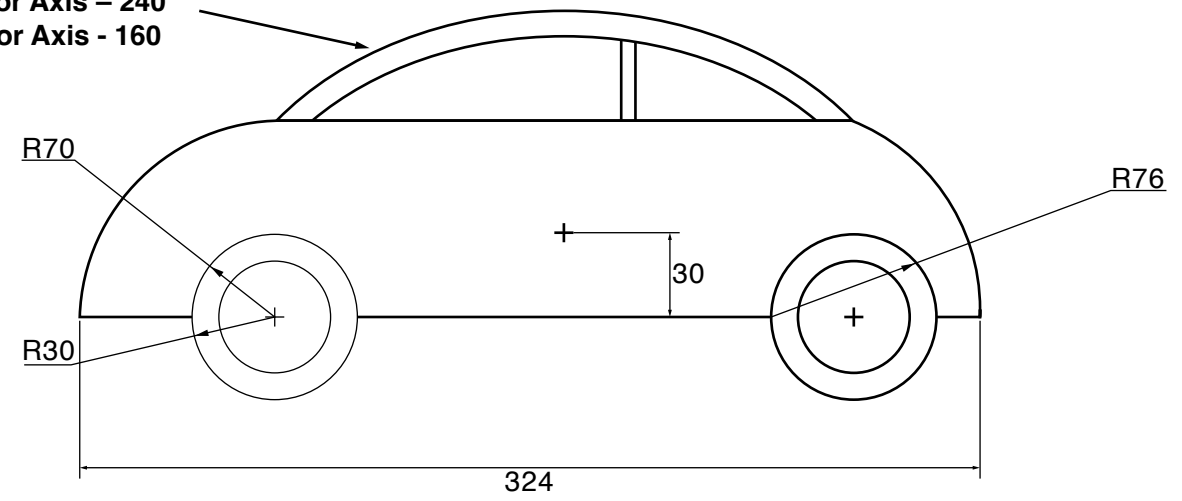
+ VP



For Examiner's use

A3 A drawing of a model car used by Thanda museum to show visitors how cars looked in the past is given below.
 Given on the right is an incomplete drawing of the car.
 Complete drawing on the below using geometrical constructions. [10]

Elliptical shape
Major Axis – 240
Minor Axis - 160



Section B

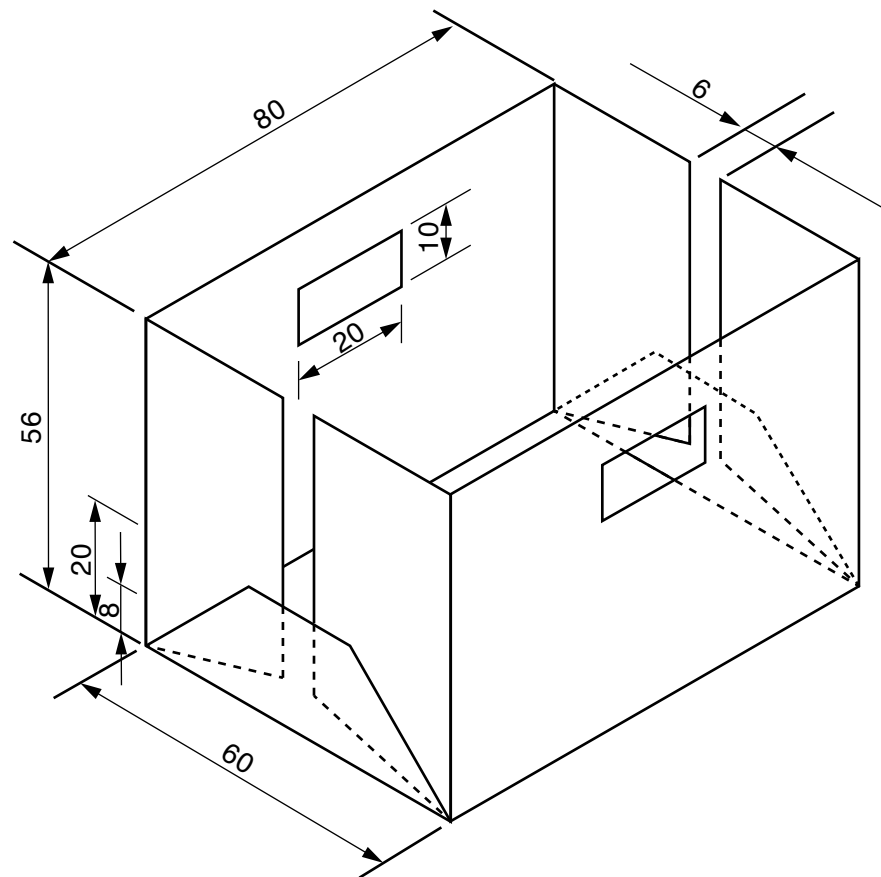
Answer **either** question **B4** or **B5**.

B4 A design of a suggestion box used at Thanda Museum is shown below.

The box is to be made from a single piece of card.

In the space given to the right draw:

- (a) (i) A development (net) of the box showing all construction and folding lines. [18]
- (ii) An appropriate lid of the box in isometric projection. [5]
- (b) Design a handle that can be used to lift the lid. Show how it can be fixed. [2]



Answer part (a) (ii) here.

Answer part (b) here.

B5 At Thanda Museum visitors are presented with water bottles as a token of appreciation. Shown below are parts of the water bottle. Also shown is an isometric projection of the assembled water bottle.

In the space given to the right, draw the following views to the scale of 1:2.

(a) A sectional view X-X of the assembled water bottle. [22]

(b) A complete end elevation. [3]

Ignore the thickness of the main part A

