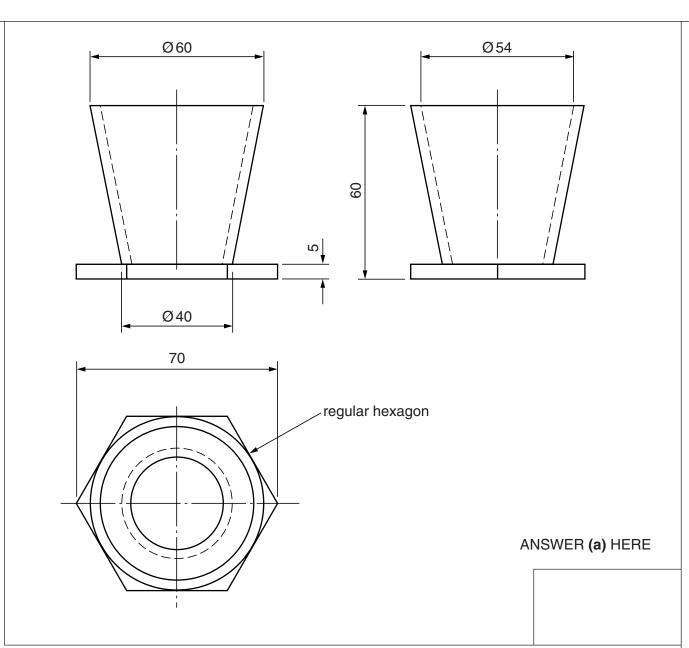
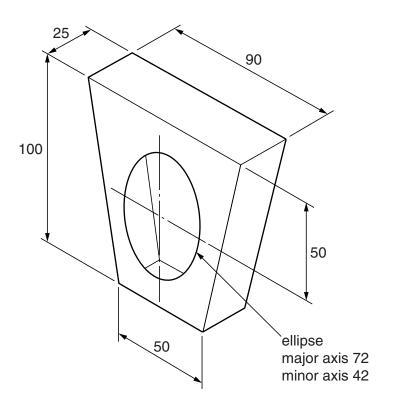
- Orthographic views of a mug are given to the right. The mug is made from transparent material.
- (a) In the box provided, draw the symbol for the angle of projection used for the orthographic drawing.
- **(b)** Draw a full size **isometric** view of the mug. [21]
- (c) Use pencil shading to show that the mug is made from transparent material.



ANSWER (b) AND (c) HERE

A thin card package for handkerchiefs is shown in the pictorial view. There is an elliptical hole in the front of the package. The package opens at the top.

Draw a full size, one-piece development of the package. Your drawing **must** include all gluing and other flaps and an accurate construction of the elliptical hole. [30]



International General Certificate of Secondary Education **CAMBRIDGE INTERNATIONAL EXAMINATIONS**

DESIGN AND TECHNOLOGY DESIGN AND COMMUNICATION

PAPER 2 Communication

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0445/02 0446/02

OCTOBER/NOVEMBER SESSION 2003

1 hour SPA (AT/TC) S38142/2

TIME 1 hour

Print your surname, other names, Centre number and candidate number in the spaces provided. Answer any **two** questions.

Draw your answers in the spaces provided on the question paper.

All dimensions are in millimetres.

The number of marks is given in brackets [] at the end of each question or part question.

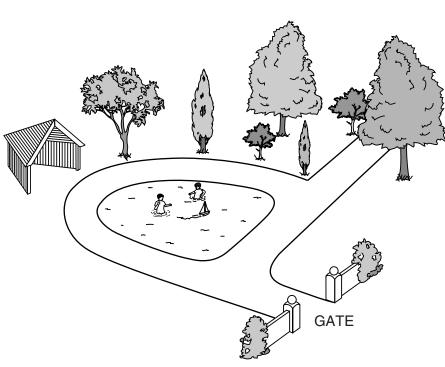
Candidate's Surname	For Examiner's use	
pariuluale's Surrianie		
Other Names		
Centre Number		
Candidate's Number		
[Turn over		

A children's paddling pond with a triangular shelter is to be built in the corner of a public park as shown in Fig. 3(a).

A plan view of the area is given in Fig. 3(b).

In the space below, use instruments to construct the plan view to a scale of 1:500.

The gate has been drawn for you. [3





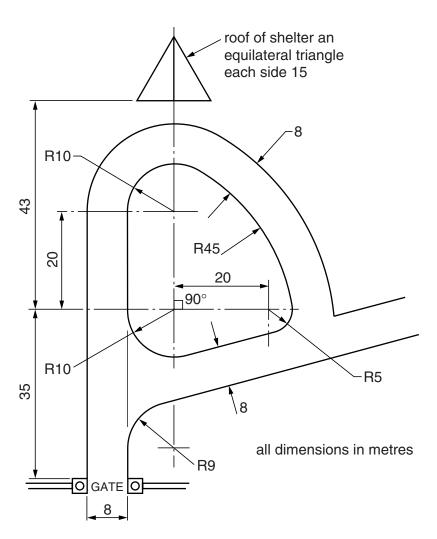


Fig. 3(b)

A notice board is needed for a sports park, directing people to areas for swimming, tennis and sailing.

As the notice board is to be read by people who speak a number of different languages, a symbol is needed to represent **each** activity.

The symbols must be:

- simple;
- easy to see from a distance;
- painted in black on a white background.

ANSWER (a) HERE

In the spaces indicated:

- (a) sketch freehand two ideas for each symbol;
- (b) select your best ideas and then draw your chosen symbols in the appropriate squares on the view of the notice board below. [15]

[15]

ANSWER (b) HERE

