

B

JUNIOR CERTIFICATE EXAMINATION, 1995
TECHNICAL GRAPHICS — ORDINARY LEVEL
THURSDAY, 15 JUNE - AFTERNOON, 2.00 - 4.30

SECTION B — 280 MARKS

INSTRUCTIONS FOR SECTION B

- (a) Any four questions to be answered.**
- (b) All questions carry equal marks.**
- (c) The number of the question must be distinctly marked by the side of each question.**
- (d) Work on one side of the paper only.**
- (e) Examination number must be distinctly marked on each sheet of paper used.**

SECTION B (ANSWER ANY FOUR QUESTIONS –all questions carry equal marks.)

1

The Figure shows an ELECTRIC TOASTER. Draw full size: –

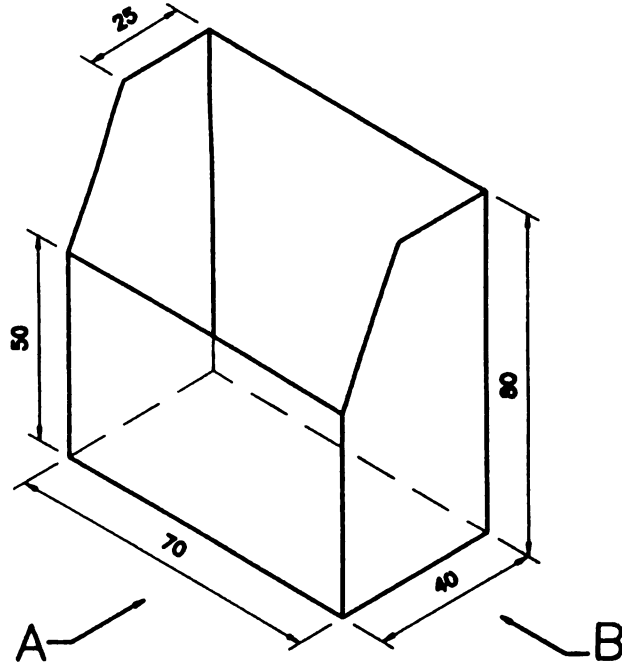
- (a) A Front Elevation looking in the direction of arrow A
- (b) An End Elevation looking in the direction of arrow B
- (c) A Plan projected from the Front Elevation.

Insert any FOUR dimensions.

2

A design for an UMBRELLA based on a semi-ellipse is shown. Draw full size the given design showing clearly how the centres for the 4 circles A,B,C and D are obtained.

3

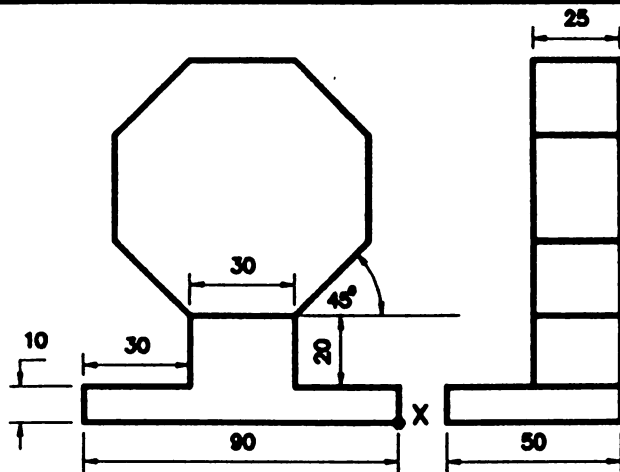


The Figure shows a DISKETTE BOX.

Draw FULL SIZE the following views: -

- (a) A Front Elevation looking in the direction of arrow A.
- (b) An End Elevation looking in the direction of arrow B.
- (c) The DEVELOPMENT of the box with the top open as shown.

4



The Front Elevation and the End Elevation of a CLOCK, based on a regular octagon, are shown in the Figure.

Draw FULL SIZE ONE of the following views: -

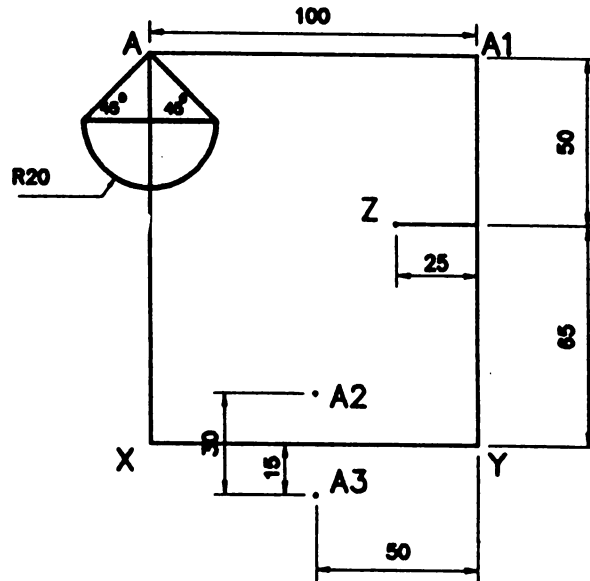
- (a) An ISOMETRIC View with the point X the lowest point on the drawing.

OR

- (b) An OBLIQUE View drawn to the right hand side.

OVER→

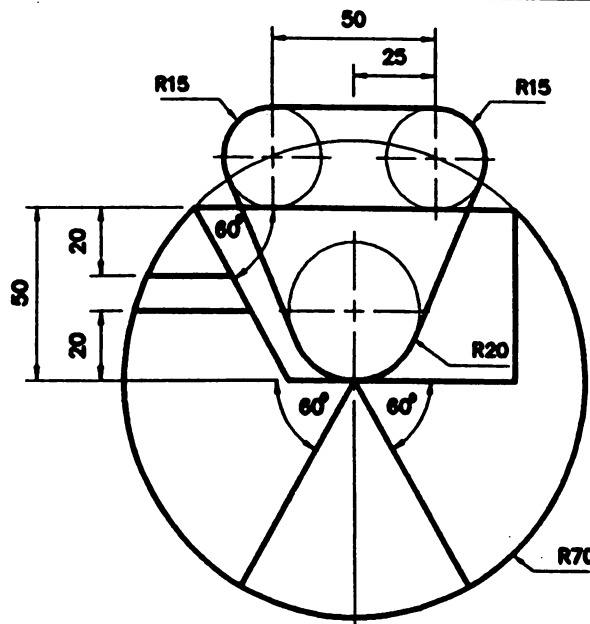
5



Draw the given Figure and complete the Rectangle 100mm X 115mm. as shown. Locate the points A1, A2, A3 and Z and then find the image of the given figure under the following Transformations :-

- (a) From point A to A1 by a Translation.
- (b) From point A1 to A2 by a Central Symmetry in the point Z.
- (c) From point A2 to A3 by an Axial Symmetry in the line XY.

6



The LOGO for a CAMERA CLUB is shown in the figure.

Reproduce the given Figure, showing clearly all construction lines.