

Junior Certificate Examination 2006

# **Technical Graphics Ordinary Level Section B** (280 Marks)

## Monday 19 June Morning 9:30 - 12:00

### Instructions

- (a) Answer **any four** questions. All questions carry equal marks.
- (b) The number of the question must be distinctly marked by the side of each answer.
- (c) Work on **one side** of the answer paper only.
- (d) Write your examination number on each sheet of paper used.

### $SECTION \ B \ (\text{answer any four questions - all questions carry equal marks})$

## 1

The figure shows the outline of a **Jug Kettle**.

#### Draw:

- (a) A front elevation looking in the direction of arrow A;
- (**b**) A plan projected from the front elevation.

Insert any four dimensions.

#### *Note*:

Use your own dimensions for the switches on the base.



## 2

The figure shows the design of an egg cup based on a semi-ellipse as shown.

The major axis of the ellipse is 120 and the minor axis is 70.

Draw the given design showing clearly all construction lines.



The figure shows the outline of a child's **lunch box.** 

### Draw:

- (a) A front elevation looking in the direction of arrow A.
- (b) An end view looking in the direction of arrow **B**.
- (c) The complete surface development of the lunch box.





The figure shows the elevation and plan of the number plate for an apartment. The grid is made up of 15mm squares.

Draw **one** of the following views:

(a) An isometric view;

or

(b) An oblique view of the number plate.

*Note*: *The solution must be presented on standard drawing paper.* 



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