



UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

International General Certificate of Secondary Education · May/June 2004

SUBJECT	CLASS	TIME ALLOWED	MAXIMUM MARKS
Design and Technology 0445/02 · Paper 2 Communication	IGCSE	1 hour	—

Name: _____ Date: _____

WINDSCREEN

105

the 26 mm and 15 mm diameter holes in the body

Complete the full size drawing of the illustration below
by:

so that the shoulder

A of the reel is in contact with
the surface **B** of the body.

(a) drawing the other wheel; [5]

(a) Draw to scale of 1:1, in either first or third

(b) drawing the semi-octagon;

[5]

angle orthographic

projection, the following

THROUGH

views of the two parts assembled:

HOLE Ø 6

Ø 15

REGULAR

Ø 26

(c) constructing the semi-ellipse; [5]

SEMI-

OCTAGON

A

(i) a sectional view taken through the centre

(d) constructing the two inner arcs of the radiator;

[5]

of the body

looking in the direction of the

Ø 12

Ø 25

arrow **S** [13]

(e) drawing the letters **N C M** in a suitable style
on

B

(ii) the end view looking in the direction of
the windscreen of the car; [7]

R55 R55

the arrow **EV** [8]

Ø 10

(f) colouring **part (e)** only.

[3]

(iii) the

plan. [7]

BODY

Hidden detail is not required in any view.

METAL 3 THICK

Dimensions not shown are left for you to

EV

S

decide.

R13

WHEEL

Ø15

(b) In the space indicated, draw the symbol for

SEMI-ELLIPSE



the angle of projection you have used for your drawing. [2]

DRAW THE SYMBOL FOR THE ANGLE OF PROJECTION USED HERE.

Other Names.....

Centre Number.....

All dimensions are in millimetres.

DIAGRAM PLACEHOLDER
before Q1 — photograph / picture
Add diagrams/01_0445_s04_2_08.png and rebuild

- (a) sketch **two** ideas for the trademark which **must** represent the name of EDGE in the Note: The bulb fits in the bulb holder and the bulb holder fits in the
- (c) draw accurately your chosen design for the trademark on the 40 front. Although two batteries are used in the torch, show only one in