## Cambridge International Examinations

Cambridge International General Certificate of Secondary Education0445/02Paper 2 Graphic ProductsFor Examination from 2015
SPECIMEN MARK SCHEME ..... 1 hour

## MAXIMUM MARK: 50

This document consists of 4 printed pages.

A1 (a) Octagon
Constructional square $80 \mathrm{~A} / \mathrm{F}$
Centre determined
Arcs drawn
Side drawn to arc/square plot
(1)
(b) Semi-circle
Semi-circle to length of side
$\begin{array}{ll}\text { (c) } & \text { Triangles } \\ \text { Two triangles equilateral }\end{array}$
(2)

A2 (a) lettering
Accuracy and proportion of:
K
Spacing
Height
(1)
border
horizontal
(1)

Repeat angle
(b) (i) digital camera / scanner
(1)
[1]
(ii) readily retrieved, can be scaled up/down printed out when needed

A3 (a) Isometric rectangular base
(2)

Top rectangle 40 tall
(1)

In line with base
(1)

Central pillar $20 \times 30$
Semi - octagon top evident
(1)

Construction of octagon evident
(1)
(b) Pencil tone to rectangle
(1)
(c) (i) the first trial version
(1)
(ii) hot wire cutter
(1)

B4 (a) Development
Extra sides (7) shown in correct position
2 side flaps
Radius on side flap
Side flaps 45 long
Tuck-in flap 10
Tuck-in flaps angled
(b) Arrow-tabs

Symmetrical (1)
Stand off (1)
Neck (1)
Slot size to match neck
Min 4 arrow-tabs shown $4 \times 1$
(4)
(c) (i) Die stamping / punching
(ii) creasing
(d) three (3)
(e) Halving slots or similar 0-2 PR
(repeat of arrow tab/slot $=0$ )
(2)
[2]
[Total: 25]

B5 (a) Front view
Depth of top 40
2 mm thickness to top surface \& base
2 mm thickness to sides
(1)
[3]
(b) Hole positions and cone C

Centre line at 50 horizontally
Centre of one hole 50 in from RHS
Centre of one hole 50 in from LHS
Centre line projected to F.E.
Cone in position C on PLAN
$\varnothing 80$ circle representing top of cone
(1)
(c) $\varnothing 10$ evident in base on FE
$60^{\circ}$ included angle drawn
$60^{\circ}$ included angle drawn through $\varnothing 10$
$\varnothing 80$ projected from plan $2 \times 1$
Cone complete $(2 \times$ sides $=2)$ (top $=1$ )
Centre line evident
(d) Hole size $\varnothing 56+/-2 \mathrm{~mm}$ ..... (1)In remaining position(1)Evidence of projection 0-2 pr
(e) Use of: Compass/circle cutter Plotter cutter, single hole punch ..... (2)[2]
(f) Use of: die stamping/cutting machine ..... (1)

