

MARK SCHEME for the May/June 2008 question paper

0445 DESIGN AND TECHNOLOGY

0445/02

Paper 2 (Graphic Products), maximum raw mark 50

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A1 Accuracy and proportion of:

D (1)

S (1)

O (1)

N (1)

Spacing (1)

Height (1)

[6]

Border complete 250 x 50 (1)

[1]

Semicircle (1)

Radius 25 and correct orientation (1)

[2]

A2 Hexagon – 6 sides (1)

Regular – 30 sides (1)

Diamond (1)

50 x 60 diagonals at 90° (1)

Triangle (1)

50 equilateral (1)

[6]

A3 (a) Distance support correct size (1)

position 90° to panel (1)

[2]

(b) Display card correct size (120) (1)

drawing in central position (105) (1)

parallel to panel (1)

[3]

(c) Phone pocket correct size (1)

central position (1)

[2]

(d) Additional card inside dist support (1)

Correct angle to brace (1)

[2]

(e) Strut aligned with panel and top (1)

[1]

[Total: 25]

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- B4 (a)** Overall width 120/124 (2)
Overall length 350/360 (1)
Back panel square (2)
Octagon shape (1)
Regular/equal sides 50 (2)
- Hex end same O/L length as width (1)
Hex cut out (1)
Cut-out same orientation as sketch (1)
3 equal sides 60 x 120° (3)
- Glue tabs (min 2) (2)
Suitable width of tabs (1)
Position of tabs on hex end (1)
Fold lines (2) [20]
- (b)** Modification to correct end (Pr 0–2) (2)
Slot or similar (Pr 0–2) (2)
No adhesive (1) [5]

[Total: 25]

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B5 (a) *Check box opens and closes*

decision box (1)

Y and N (1)

loop (1)

Pick up plastic moulded tray

activity box (1)

content (1)

Fill tray with correct items

activity box (1)

content (1)

Check all items are correct

decision box (1)

Y and N (1)

loop (1)

Insert tray into box

activity box (1)

content (1)

Close box

start/stop box (1)

content (1)

All in correct order (2)

[16]

(b) (draft) to allow the plastic to be removed (1)

[1]

(c) (i) suitable pictogram showing:

battery on charge Pr 0–2 (2)

10 Hrs max time Pr 0–2 (2)

[4]

(ii) suitable pictogram showing:

Disposal Pr 0–2 (2)

Not by burning Pr 0–2 (2)

[4]

[Total: 25]