

Oxford Cambridge and RSA Examinations

General Certificate of Secondary Education

DESIGN AND TECHNOLOGY (GRAPHIC PRODUCTS)

1955/3

PAPER 3

FOUNDATION TIER

MARK SCHEME

Specimen Paper 2003

| Question | Answer | Total Marks Available |
|----------|--|-----------------------|
| 1 (a) | Symbol split vertically (1 mark) Accuracy of symbol compared to given drg. (Pr2). | 3 |
| 1 (b) | PICTOGRAPH identified | 1 |
| 1 (c) | Explanation linked to some aspect that splitting the symbol more than half would make it difficult to understand | 1 |
| 1 (d) | Explanation related to the fact that once the symbol is drawn it can be copied as many times as necessary | 2 |
| 1 (e) | Explanation that a pie chart is only suitable when the figures are part of a whole this is not the case this context | 1 |
| 1 (f) | Sketches showing the same basic outline but the outline only changed to show the two male and female forms (Pr2). | 2 |
| | | Total 10 |

| | | |
|-------|---|-----------------|
| 2 (a) | Back section including R35 curve and tapered sides (2 marks) Base 20mm wide length to their Back section (1 mark) Front to match their Back Section (1 mark) 2 sides in appropriate position correct length (1 mark) Suitable non glue attachment method (1 mark) | 6 |
| 2 (b) | Material Testing for: food absorbency, able to be folded, able to be cut out. (2 x 1) | 2 |
| 2 (c) | Some mention of a profile cutter or die cutter controlled by computer (Pr2) | 2 |
| | | Total 10 |

| Question | Answer | Total Marks Available |
|--------------|--|-----------------------|
| 3 (a) | Accurate drawing of a regular hexagon (2 marks) Correct size of circle for the cylinder (1 mark) | 3 |
| 3 (b) | A suitable method with the cylinder positively attached to the base and not simply stuck on (Pr2) | 2 |
| 3 (c) | The circumference of both the two pieces must be the same (1 mark) | 1 |
| 3 (d) | Male former (1 mark) Base (1 mark) Draft angle clearly shown (1 mark) | 3 |
| 3 (e) | The company do not need to carry any stock | 1 |
| | | Total 10 |

| | | |
|--------------|--|-----------------|
| 4 (a) | Pull Tab shown correctly positioned in the two slots | 1 |
| 4 (b) | 3 marks for all correct solution well drawn in proportion (Pr3) | 3 |
| 4 (c) | RECIPROCATING | 1 |
| 4 (d) | OSCILLATING | 1 |
| 4 (e) | Sketch showing the two Pivot Arms correctly attached to the Pull Tab (Pr2) | 2 |
| 4 (f) | Thicker Card | 1 |
| 4 (g) | Correct Length/ Width/ accurately cut | 1 |
| | | Total 10 |

| Question | Answer | Total Marks Available |
|-----------------|--|------------------------------|
| 5 (a) | A survey could be carried out on children to see if they like the character | 1 |
| 5 (b) | Photocopying is too expensive for 10, 000 | 1 |
| 5 (c) | Foamboard or thick card | 2 |
| 5 (d) | Die Cutting | 1 |
| 5 (e) | Suitable Exploded isometric sketch (1 mark) Suitable method (1 mark) | 2 |
| 5 (f) | The digitally produced image will be easier to manipulate into different forms | 2 |
| 5 (g) | More profit by cutting out the retailer | 1 |
| | | Total 10 |

Total mark available: 50