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UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

International General Certificate of Secondary Education

MARK SCHEME for the October/November 2010 question paper for the guidance of teachers

0445 DESIGN AND TECHNOLOGY

0445/22

Paper 2 (Graphic Products), maximum raw mark 50

This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began, which would have considered the acceptability of alternative answers.

Mark schemes must be read in conjunction with the question papers and the report on the examination.

• CIE will not enter into discussions or correspondence in connection with these mark schemes.

CIE is publishing the mark schemes for the October/November 2010 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

| | Page 2 | Mark Scheme: Teachers' version | Syllabus | · V |
|--------------|---|---|---|-------------|
| | | IGCSE – October/November 2010 | 0445 | 30 |
| ((| Diagonals ev 6 petals | any size correct size 50 side | Syllabus 0445 (1) (1) (1) (1) (1) (1) (1) (1) | andri |
| | Stem Leaf: R35 c | uadrant | (1) (1) | |
| • | Chord | | (1) | [9 |
| | | | | [Total: 9] |
| | | ctangle to size 160 long | (1) | |
| | E R S | d proportion of: | (1) (1) (1) | |
| | Spacing Height | | (1) (1) | [6 |
| | 3 0 | | () | [Total: 6] |
| A 3 (| | op s (similar size to given) s symmetrical & constructed | (1) (1) (1) | [3 |
| | Neck – 4 3 square | 1 mm rect – 80 square 0 square hidden detail s concentric 1 – 58 square | (1) (1) (1) (1) | [4 |
| | Side viev Length o Length o Overall h | f long side 80 f petal 20 | (1) (1) (1) | [3 |
| | | | | [Total: 10] |
| B4 (| (a) Plan and Plan leng Plan wid Thicknes Thicknes Thicknes | gth 92.5 th 92.5 ss top 2 mm | (1) (1) (1) (1) (1) | [5 |

| Pa | | ge 3 | Mark Scheme: Teachers' version | Syllabus | 7 |
|----|----------|--|---|---------------------------------|---------------|
| | <u> </u> | gc o | IGCSE – October/November 2010 | 0445 | No. |
| | (b) | 2 vertical | positions of 4 holes als – correct spaces ntals – correct spaces | (4) (4) | ana Cambridge |
| | | • | t in position on plan representing top of plant pot scale | (1) (1) | |
| | | | representing bottom of plant pot le (Ø50 – thickness) to scale | (1) (1) | |
| | | Correct p | position on plan | (1) |) [13] |
| | (c) | Ø70 proj Ø50 proj | | (1) (1) (1) |) |
| | (d) | Size Ø3 In one of | rect size hole needed in top 33 +/- 2mm (Ø66 to scale) f 3 spare positions e of projection 0–2 pr | (1) (1) (2) |) |
| B5 | (a) | 75° / 90° | awn into 5 | (1) (1) (4) (2) |) |
| | (b) | Appropria Suitable Informati Labels e | nensional chart iate method (e.g. bar) scale selected ion correctly plotted ×5 evident enhancement | (1) (1) (5) (1) |))) |
| | (c) | Symbol t Symbol t Garden p Garden p Labels e | ures for annual report to match garden plants pr 1–2 to match cut flowers pr 1–2 plants larger than cut flowers plants approx 2.5 × larger than cut flowers evident | (2) (2) (1) (1) (1) |))) |

[Total: 25]