



General Certificate of Secondary Education
January 2011

Engineering

Paper 2

Assessment Unit 3

assessing

Engineering Technology

[GEE32]

TUESDAY 1 FEBRUARY, MORNING

**MARK
SCHEME**

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1	<p>(a) Spray painting Other answers considered [1]</p> <p>(b) To allow easier movement of the trolley Other answers considered [1]</p> <p>(c) More accurate Faster Other answers considered [2 × 2]</p> <p>(d) (i) Type of ICT – Solid Works drawing package. Other answers considered [1]</p> <p style="padding-left: 40px;">Description – This package is able to model initial ideas quickly. Other answers considered [2]</p> <p>(ii) Benefit of using ICT – Ideas can be modified quickly [2]</p> <p>(e) Very consistent profile made. Can be made in various lengths Other answers considered [2]</p> <p>(f) Lead times reduced Accidents reduced Reduce labour Other answers considered [2 × 2]</p> <p>(g) Fast Triangulation Cheap Repetition Other answers considered [2]</p> <p>(h) Lathe [1]</p> <p>(i) Appropriate diagram showing the injection moulding process Marks will be awarded for</p> <ul style="list-style-type: none"> ● Detail contained in sketches [4] ● Quality of sketches [3] ● Detailed notes [3] <p>(j) Appropriate modification showing how the ledge of the hand trolley can be folded upwards to allow easier storage. Marks will be awarded for</p> <ul style="list-style-type: none"> ● Suitability of chosen method [4] ● Quality of sketches [3] ● Detailed notes [3] 	<p>[1]</p> <p>[1]</p> <p>[4]</p> <p>[1]</p> <p>[2]</p> <p>[2]</p> <p>[2]</p> <p>[4]</p> <p>[2]</p> <p>[1]</p> <p>[10]</p> <p>[10]</p>
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AVAILABLE
MARKS

40

Total

40