

Engineering Tripos Part IA Module 3C1
Manufacturing Engineering Tripos Part I Module 3P1
2010

Numerical answers

q. 1. (c) For the cylindrical components:

(i) $f = 1.38$: error = -8% .

(ii) $f = 1.58$: error = $+5\%$.

q. 3. (b) (ii) $F = 2.94 dk > 2\sqrt{2} dk$
(iii) $\Delta T = 199 \text{ K}$

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