

Error

$$(i) C_{s(\text{Brass}) \text{ average}} = \frac{0.345 + 0.349 + 0.329}{3} = 0.341 \text{ kJ/kg}\cdot\text{K}$$

$$\text{Relative Error (brass)} = \left(1 - \frac{0.341}{0.385}\right) \times 100\%$$

$$R.E = 11.4\%$$

$$(ii) C_{s(\text{steel}) \text{ average}} = \frac{0.390 + 0.539 + 0.383}{3} = 0.437 \text{ kJ/kg}\cdot\text{K}$$

$$R.E_{\text{steel}} = 8.95\%$$