

ERRATA for
FE Other Disciplines Practice Exam
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Revisions are shown in red.

Question 56, p. 41:

The last sentence should read as follows:

The mass (g) of the bullet is most nearly:

Solution 100, p. 112:

Beginning with Line 7, the solution should read as follows:

When the tube-wall resistance is neglected, R_f can be calculated.

$$\begin{aligned} \frac{1}{U_o} &= \frac{A_o}{h_i A_i} + R_f + \frac{1}{h_o} & A_n &= \pi D_n L \\ R_f &= \frac{1}{U_o} - \frac{A_o}{h_i A_i} - \frac{1}{h_o} & D_n &= \text{tube diameter at } n \\ R_f &= \frac{1}{U_o} - \frac{\pi D_o L}{h_i \pi D_i L} - \frac{1}{h_o} & L &= \text{tube length} \\ R_f &= \frac{1}{U_o} - \frac{D_o}{h_i D_i} - \frac{1}{h_o} \\ &= \frac{1}{700 \text{ W}/(\text{m}^2 \cdot \text{K})} - \frac{25 \text{ mm}}{[2,500 \text{ W}/(\text{m}^2 \cdot \text{K})](19 \text{ mm})} - \frac{1}{1,500 \text{ W}/(\text{m}^2 \cdot \text{K})} \\ &= 0.00024 \text{ m}^2 \cdot \text{K}/\text{W} \end{aligned}$$

THE CORRECT ANSWER IS: B