QUIZ # 3 Electrical Machines Submitted By, ASC Muhammad Uzair Course: BETE-54-B

Data:

$$\Gamma = 12.5 \text{ cm}$$
 $L = 27 \text{ cm}$
 $C = 33$
 $860 = 33$

a:

Conductors:
$$Z = 2 CN_c = 2 (33)(7) = 462$$

$$|C_{\alpha}^{\alpha} = \frac{2P}{2\pi a} = \frac{(462)(4)}{2\pi (4)} = 73 - 5729$$

6

$$E_{A} = | \langle \phi | 0 \omega \rangle$$

$$= \frac{(45 + 1)(6 + 1)(85)}{(6 + 1)(85)} = \frac{36 \cdot 6 \times 15^{3} \text{ Hb}}{7}$$

$$= 0.75 \times 2 \times \times 12.5 \times 10^{-2} \times 25 \times 10^{-2} \times 25 \times 10^{-2} \times 15 \times 10^{-2} \times 10^{-2} \times 10^{-2} \times 10^{-2}$$