KING FAHD UNIVERSITY OF PETROLEUM & MINERALS ELECTRICAL ENGINEERING DEPARTMENT

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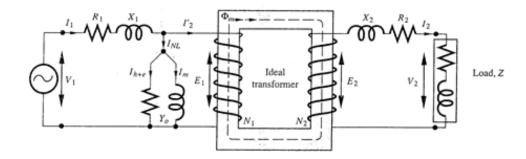
Key Solution

Quize # 2 Sec. Serial # Name: I.D.#

Circle the correct answer.

1) The circuit shown below is for

(4 Marks)



- a- the exact equivalent circuit of a transformer referred to its primary-side.
- b- the approximate equivalent circuit of a transformer with excitation branch.
- c- the exact equivalent circuit of a transformer referred to its secondary-side.

d- None of above.

- 2) The output current corresponding to maximum efficiency for a transformer having core loss of 800 W and equivalent resistance of 0.5 Ohm referred to secondary side is: (6 Marks)
 - a. 1600 A.
 - b. 400 A.
 - c. 40 A.
 - 20 A.