KING FAHD UNIVERSITY OF PETROLEUM & MINERALS

ELECTRICAL ENGINEERING DEPARTMENT

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EE-306

Key Solution

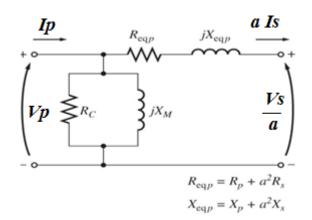
Quiz 3 Sec.: 8 I.D.: Ser#: Name:

Q.1 For an ideal transformer connected to a resistive load,

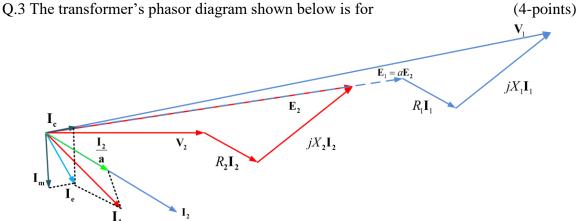
(3-points)

- The power factor of the primary is unity.
- b. The power factor of the primary is inductive.
- The power factor of the primary is capacitive. c.

Q.2 The equivalent circuit of a non-ideal transformer shown below is for (3-points)



- a. the exact model referred to the primary side.
- b. the approximate model with excitation branch referred to the primary side.
- c. the approximate model without excitation branch referred to primary side.
- d. Non of the above



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- b. the approximate model with excitation branch referred to the primary side.
- c. the approximate model without excitation branch referred to primary side.
- d. Non of the above