

**KING FAHD UNIVERSITY OF PETROLEUM & MINERALS**  
**ELECTRICAL ENGINEERING DEPARTMENT**

Dr. Ibrahim O. Habiballah

EE-306 (Sec. 4)

**Key Solutions**

Quiz # 3    Serial #

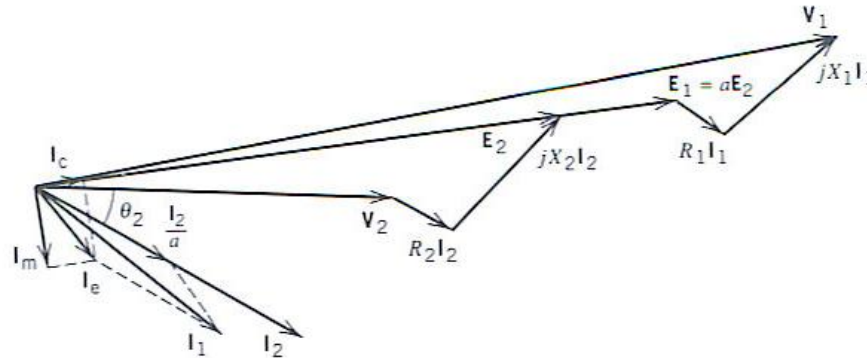
Name:

I.D.#

Circle the correct answer.

1) The phasor diagram shown below is for

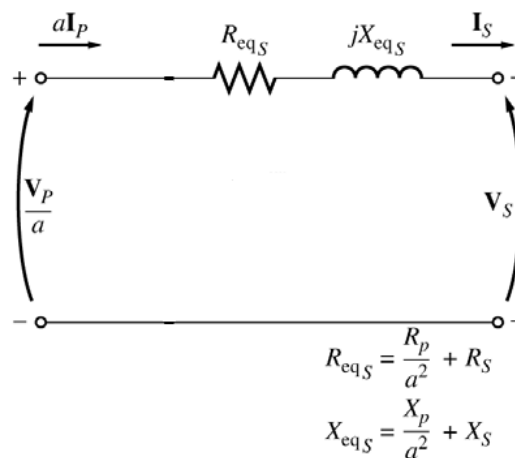
(5 Marks)



- a. the exact model of a transformer referred to secondary side.
- b. the approximate model of a transformer with the excitation branch referred to secondary side.
- c. the approximate model of a transformer with the excitation branch referred to primary side.
- d. none of above.**

2) The equivalent circuit shown below is for

(5 Marks)



- a. the approximate model of a transformer with the excitation branch referred to primary side.
- b. the approximate model of a transformer with the excitation branch referred to secondary side.
- c. the approximate model of a transformer without the excitation branch referred to primary side.
- d. the approximate model of a transformer without the excitation branch referred to secondary side.**