

KING FAHD UNIVERSITY OF PETROLEUM & MINERALS
ELECTRICAL ENGINEERING DEPARTMENT
Dr. Ibrahim O. Habiballah
EE-306 (Sec. 3)

Quiz # 3 Serial #

Name:

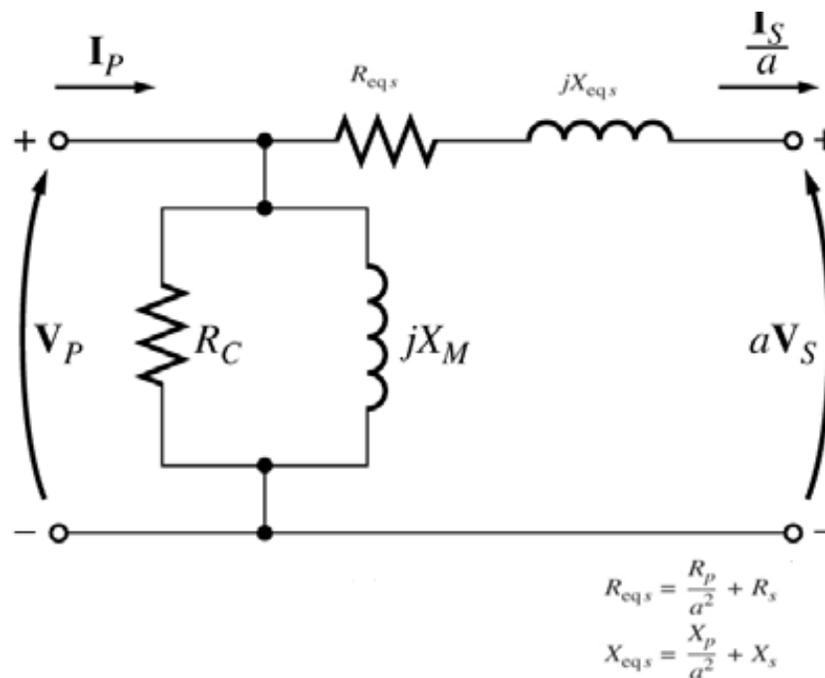
I.D.#

Circle the correct answer.

1) For non-ideal transformer connected to a resistive load, which sentence is absolutely correct? (5 marks)

- a. The power factor of the primary is unity.
- b. The power factor of the primary is inductive.**
- c. The power factor of the primary is capacitive.
- d. Non of above.

2) The equivalent circuit shown below is for (5 marks)



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