

KING FAHD UNIVERSITY OF PETROLEUM & MINERALS

ELECTRICAL ENGINEERING DEPARTMENT

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EE-306

Key Solution

Quiz 3 Sec.: 6 I.D.: Ser#: Name:

1. DC flux circulating in a core of a transformer is capable of inducing voltage across a coil wound around one of its legs. True **False** (5 Marks)

2. The output current corresponding to maximum efficiency for a transformer having core loss of 450 W and equivalent resistance of 0.5 Ohm referred to secondary side is: (5 Marks)
 - a. 900 A.
 - b. 225 A.
 - c. **30 A.**
 - d. 15 A.