

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

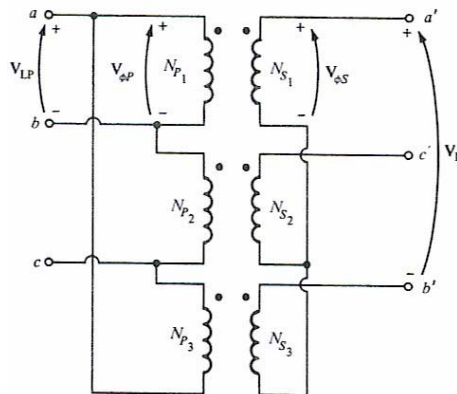
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EE-360

**Key Solution**

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

A 69 kV (on primary) / 4.16 kV (on secondary), 1000 kVA three-phase transformer is shown below.



1) The rated phase voltage on the primary side is (.....) kV, and the rated phase voltage on the secondary side is (.....) kV

**a- 69 ; 2.4**

b- 69 ; 4.16

c- 40 ; 2.4

d- 40 ; 4.16

2) The rated phase current on the primary side is (.....) A, and the rated phase current on the secondary side is (.....) A

a- 8.33 ; 138.8

b- 8.33 ; 80.1

**c- 4.83 ; 138.8**

d- 4.83 ; 80.1