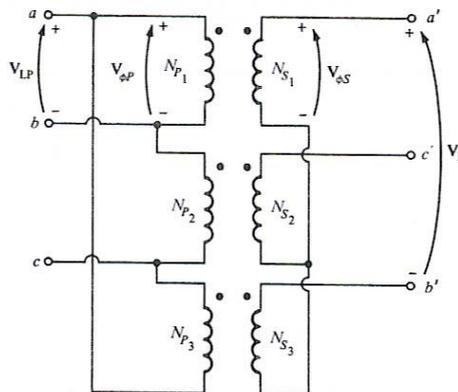# KING FAHD UNIVERSITY OF PETROLEUM & MINERALS
ELECTRICAL ENGINEERING DEPARTMENT
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EE-360

Key Solution

Quiz # 4   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