

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

**Key Solution**

Quiz # 7

Serial #:

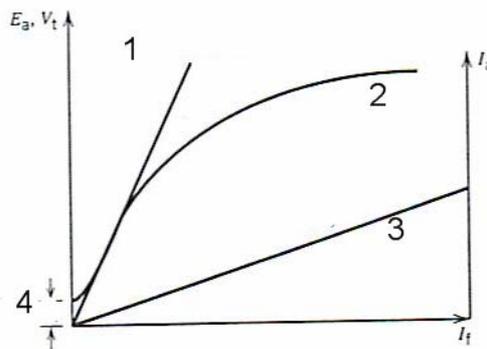
Name:

I.D.#

1) The voltage regulation of a synchronous generator having 0.8 leading power factor load, no-load induced EMF of 2400 V, and rated terminal voltage of 3000 V is:

- a. +20%
- b. -25%
- c. +25%
- d. none of the above**

2) The numbers in the figure shown below are for (.....), (.....), (.....), and (.....).



- a. **Air-gap line, open-circuit characteristic, short-circuit characteristic, and generated voltage due to residual flux.**
- b. Short-circuit characteristic, open-circuit characteristic, Air-gap line, and rated generated voltage.
- c. Air-gap line, short-circuit characteristic, open-circuit characteristic, and generated voltage due to residual flux.
- d. Air-gap line, open-circuit characteristic, short-circuit characteristic, and rated generated voltage.