

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

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**EE-306**

**Key Solution**

Quiz # 5      Sec.: 4      I.D.#      Name:

Circle the correct answer.

A synchronous generator runs at a speed of 1200 rpm when operating in 60-Hz system. If the generator is operating in 50-Hz system, its rotor speed is

- a. 1500 rpm
- b. 1000 rpm.**
- c. 900 rpm.
- d. 750 rpm.