

KING FAHD UNIVERSITY OF PETROLEUM & MINERALS

ELECTRICAL ENGINEERING DEPARTMENT

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EE-306

Key Solution

Quiz 5 Sec.: 8 I.D.: Ser#: Name:

Q.1 Synchronous motors are overexcited when have leading power factor.

(2-points)

- a. TRUE.
- b. FALSE.

Q.2 Synchronous machines can be used to connect two systems of different frequencies.

(4-points)

- a. TRUE.
- b. FALSE.

Q.3 Speed regulation of synchronous motors is higher when overexcited.

(2-points)

- a. TRUE.
- b. FALSE.

Q.4 The higher the number of poles in synchronous generators the higher its synchronous speed.

(2-points)

- a. TRUE.
- b. FALSE.