

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

Key Solution

Quiz # 5 Sec. 1, 2, 3 Serial #

Name:

I.D.#

Circle the correct answer.

1) The pullout torque of a polyphase induction motor is smaller than the pushover torque when it operates as induction generator. (2 Marks)

- True** False

2) The full-load torque in in a polyphase induction motor is larger than the breakdown torque. (2 Marks)

- True **False**

3) The full-load rotor speed of a 4-pole, 3-phase, induction motor in Jubail area is (3 Marks)

- a. 1800 rmp
- b. 1710 rmp**
- c. 1500 rmp
- d. 1425 rmp

4) When applied rated voltage per phase is increased by 20 %, the starting torque of an induction motor becomes (.....) of the starting torque at rated voltage. (3 Marks)

- a. 5
- b. 4
- c. 1.44**
- d. 1.2