

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

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EE-306

Key Solution

Quiz # 6 Sec.: 3 I.D.# Name:

Circle the correct answer.

A 4-pole, 60-Hz, 3-phase, induction motor has a full-load speed of 1740 rpm. At half-load, its synchronous speed would be:

- a) **1800 rmp**
- b) 1770 rmp
- c) 900 rmp
- d) 870 rmp