

KING FAHD UNIVERSITY OF PETROLEUM & MINERALS
ELECTRICAL ENGINEERING DEPARTMENT
Dr. Ibrahim O. Habiballah
EE-306 (Sec.4)

Key Solutions

Quiz # 4 Serial #

Name:

I.D.#

Circle the correct answer.

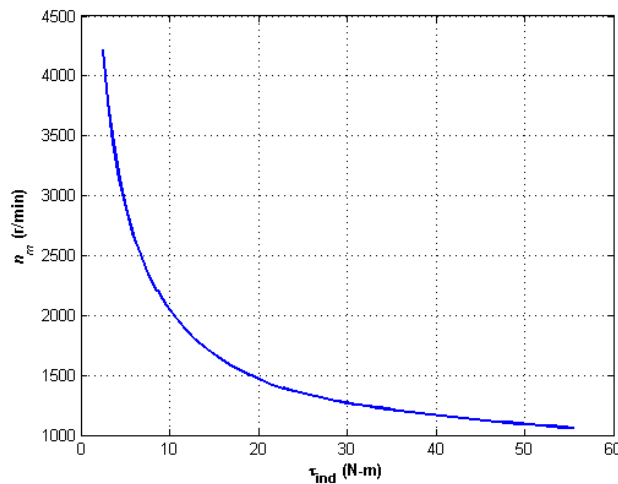
1) The series field winding of a long-shunt cumulatively compounded DC generator is excited by its (.....) current. (3 Marks)

- a- load
- b- shunt field
- c- armature**
- d- external

2) If the armature current of a compound DC motor is reversed (4 Marks)

- a- the cumulative compound DC motor becomes differential compound DC motor.
- b- the cumulative compound DC motor becomes differential compound DC generator.**
- c- the cumulative compound DC motor becomes shunt DC motor
- d- it can not be reversed.

3) The figure shown below is the torque-speed characteristic for (3 Marks)



- a. a shun dc motor.
- b. a series dc motor.**
- c. a long-shunt cumulative compound dc motor.
- d. a long-shunt differntial compound dc motor.