# KING FAHD UNIVERSITY OF PETROLEUM & MINERALS

**ELECTRICAL ENGINEERING DEPARTMENT**

**Dr. Ibrahim O. Habiballah**

**EE-306 (Sec. 3)**

**Key Solution**

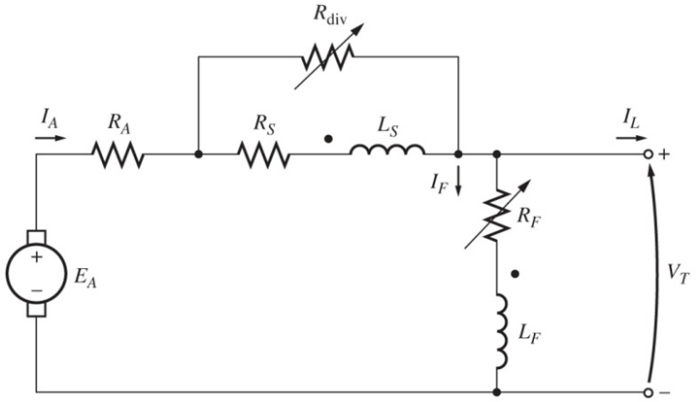
Quize # 4 Serial # Name: I.D.#

Circle the correct answer.

1) The terminal voltage in all DC generators can be controled by shunt-field resistance (3 Marks)

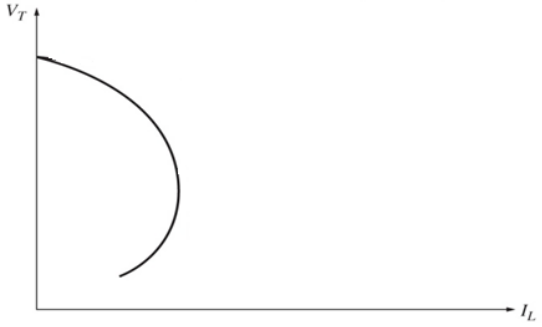
a- except the separetly DC generator.
b- except the compounded DC generator.
c- except the shunt DC generator.
**d- except the series DC generator.**

2) If the diverter resistance is set to zero, the machine will act as (4 Marks)




a- a cumulative over-compound DC generator.
b- a series DC generator.
c- a shunt DC motor
**d- a shunt DC genrator.**

3) The figure shown below is (3 Marks)




a. the torque-speed characterestic for a series DC motor.
b. the torque-speed characterestic for a long-shunt differntial compound DC motor.
c. the terminal characterestic fora series DC generator.
**d. the terminal characterestic for a long-shunt differntial compound DC generator.**