

KING FAHD UNIVERSITY OF PETROLEUM & MINERALS

ELECTRICAL ENGINEERING DEPARTMENT

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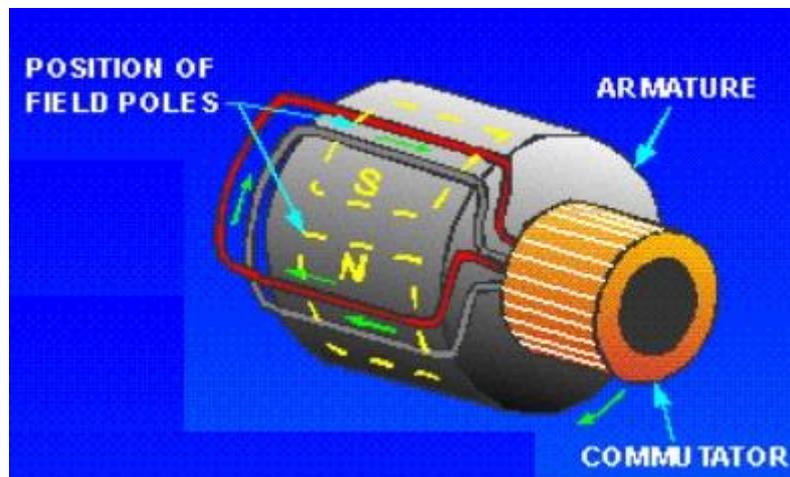
EE-306

Key Solution

Quiz 4 Sec.: 6 I.D.: Ser#: Name:

Circle the correct answer.

1) The armature of the DC machine shown below is (3 Marks)



- a. simplex wave winding.
- b. duplex wave winding.
- c. simplex lap winding.
- d. duplex lap winding.

2) The inclusion of the electrical loss due to brushes voltage drop has an impact (effect) on the value of the converted power in DC generators. (3 Marks)

- a. True
- b. False

3) The voltage regulation of a long-shunt flat cumulative-compound DC generator at full-load zero. (2 Marks)

- a. True
- b. False

4) The no-load speed of a short-shunt cumulative-compound DC motor is smaller than no-load speed of a shunt DC motor with same rating conditions. (2 Marks)

- a. True
- b. False