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ELECTRICAL ENGINEERING DEPARTMENT

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EE 360

Key Solution

Quiz # 5 Serial # Name: I.D.#

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

a- load

b- shunt field

c- armature

d- external

2) A 50 kW, 240 V DC shunt generator has an armature winding resistance of 0.1 ohm and a field resistance of 120 ohm. The voltage regulation of the generator when delivers rated current is (.....). The voltage regulation of the generator when delivers 50% of its rated current is (.....).

a- 8.6; 4.3

b- 7.9; 4.1

c- 8.1; 4.2

d- 8.8; 4.4