# KING FAHD UNIVERSITY OF PETROLEUM & MINERALS

## ELECTRICAL ENGINEERING DEPARTMENT

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#### **EE-306**

### **Key Solution**

Quiz 5		Sec.: 5	I.D.:	Ser#:	Name:	
losses a	· ·		nes, the combinational losses.	nation of the me	chanical,	copper, and stray (2-points)
needed a. b. c.		late the conv	generator is coerted power is .		pacitive-lo	ad, the phase angle $\Upsilon$ (3-points)
leading a. T	•	nous motors re lagging.	as the field cur	rrent increases, the	he power fa	actor becomes less (2-points)
a. b.	ne speed 6-poles 8-poles 10-poles 12-pole	s	nous generator	is 720 rpm. It has	3	(3-points)