KING FAHD UNIVERSITY OF PETROLEUM & MINERALS

ELECTRICAL ENGINEERING DEPARTMENT

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EE-306

Key Solution

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Quiz 3a	a Se	ec.:	I.D.:	S	er#:	Name:		
test (m	neasurements oltage side):	00/230-V trans from the lo	ow-voltag	ge side) and	d short-c	ircuit test	-	ents from
Q.1 Tł	ne kVA ratin	ng is					(3-1	points)
<mark>a.</mark>	13.8							
b.	1.38							
c.	4.6							
d.	0.46							
Q.2 Th	e core loss i	s					(2-1	points)
a.	210 W.							
b.	160 W.							
c.	110 W.							
d.	50 W.							
Q.3 Th	ne percentag	ge efficiency	of the tr	ransformer	when de	livering r	ated power	(full-load
output	power) at ur	nity power fac	ctor is				((5-points)
a.	100.00							
b.	99.64							
c.	98.85							
<mark>d.</mark>	<mark>98.50</mark>							