Test Bank for Electrical Control for Machines 7th Edition by Lobsiger ISBN 9781133693383

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for-machines-/th-edition-by-lobsiger-isbn-9/81133693383/									
TRUE/FALSE									
1.	The 120 VAC circuit	t is norn	nally	protected by a sin	ngle fuse or circuit breaker.				
	ANS: T	PTS:	1	REF:	Protective Factors				
2.	Switching voltage surges are usually limited to three times normal voltage.								
	ANS: T	PTS:	1	REF:	Voltage and Frequency Surges				
3.	By programming a motor-protective relay unit with the motor's electrical characteristics, the unit's algorithm will automatically tailor the optimal protection curve to the motor being monitored.								
	ANS: T	PTS:	1	REF:	Programmable Motor Protection				
MULTIPLE CHOICE									
1.	The typical fuse correlement is a calibrat			ement surrounded	I by a filler and enclosed by the fuse body. The				
	a. insulator			c.	conductor				
	b. transistor			d.	capacitor				
	ANS: C	PTS:	1	REF:	Fuse Construction and Operation				
2.	Peak let-thru curren provided by a fuse.	$t(I_p)$ and	l amp	ere squared secon	nds (I_{2l}) are two measures for the degree of				
	a. current limitation	n		c.	circuit isolation				
	b. time delay				rectification				
	ANS: A	PTS:	1						
	REF: Peak Let-Thr	u Currer	nt (Ip)	and Ampere Sq	uared Seconds (I2t)				
3.	is the current-l	imiting	chara	cteristic of a tran	sformer and is expressed as a percent.				
	a. Capacitance			c.	Ampacity				
	b. Impedance			d.	Rectification				
	ANS: B	PTS:	1	REF:	Selecting Protective Devices				

4.	The main purpose of a. determine the in b. calculate the available.	terruptin	g capacity	c.	ter (GFCI) is to protect a person from electrical shock gauge the ambient temperature		
	ANS: C	PTS:	1	REF:	Ground Fault Circuit Interrupter		
COMPLETION							
1.	All protective devices have a published, which is defined as t highest current at rated voltage that a device can safely interrupt.						
	ANS: interrupting capacity						

	PTS: 1	REF: Fuse Types				
2.		fuses are used today in almost all fuse applications.				
	ANS: Current-limiting time-delay Current limiting time delay					
	PTS: 1	REF: Fuse Types				
3.	•	to the nonautomatic circuit breaker, by using a in each pole of the breaker, provides automatic tripping.				
	ANS: thermal trip unit					
	PTS: 1	REF: Circuit Breaker Types				