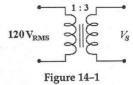
	B) 0.05 μF, 15 V	C) 0.15 μF, 10 V	D) 0.15 μF, 20 V	
A) 0.10 μF, 20 V	Β) 0.00 μ1, 10 γ	C) 0.10 µ1, 10 v	D) 0.10 pt / 20 V	
19) If a 1 μF, 2.2 μF and 0	.05 μF capacitor are conne	cted in series, CT is less tha	n	19)
Α) 1 μF	Β) 2.2 μF	C) 0.001 µF	D) 0.05 μF	
	citor, a resistor, a switch ar	nd a 12 V battery are conne ch full charge?	cted in series, at	20) _
A) R×C		B) 12 × R × C		
C) $5 \times R \times C$		D) The time cannot h	pe predicted.	
21) At what frequency is	a 0.001 μF capacitor opera	ting if its reactance is 45 ks	2?	21)
A) 354 kHz	B) 3.54 kHz	C) 35.4 kHz	D) 3.54 MHz	0.10
RUE/FALSE. Write 'T' if the	statement is true and 'F' if	the statement is false.		
22) A high-pass filter pa	sses high frequencies and l	blocks low frequencies.		22)
	Anti-Glean on the PMSVI	it magnitudes frat drops 12		Wignisch.
	50 V	\$ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
	60 Hz	× R = 50 Ω		
EST SE SECTION COMM	60 Hz	$R = 50 \Omega$ Figure 12-1		
	60 Hz  Hency decreases in Figure 1	$R = 50 \Omega$ Figure 12-1 12-1, the current	DE CITA DE SERVICIO DE COME DE	23) _
A) remains the sam	60 Hz  Intercept decreases in Figure 1	Figure 12-1  12-1, the current  B) decreases		23) _
	60 Hz  Intercept decreases in Figure 1	$R = 50 \Omega$ Figure 12-1 12-1, the current	DE COMPANY DE LA	23)
A) remains the sam	60 Hz  Intercept decreases in Figure 1	Figure 12-1  12-1, the current  B) decreases	DE TE TO CHOOSE THE COLOR OF TH	23) _
A) remains the sam	60 Hz  Intercept decreases in Figure 1	Figure 12-1  12-1, the current  B) decreases	The state of the s	23) _
A) remains the sam	60 Hz  Hency decreases in Figure 1  e  20 V 1 kHz	Figure 12-1  R=50 $\Omega$ R=50 $\Omega$ R=50 $\Omega$ R=50 $\Omega$ R=50 $\Omega$ R=50 $\Omega$	DEFA COLUMN COLU	23) _
A) remains the sam C) decreases to zero	60 Hz  Hency decreases in Figure 1  e  20 V 1 kHz	Figure 12-1  R = $50 \Omega$	DEFANCE CARRON MADE  DEFENDATION OF A SECURITY OF THE PROPERTY	23) _
A) remains the sam C) decreases to zero	tency decreases in Figure 1  20 V 1 kHz	Figure 12-1  R = $50 \Omega$	the fill the property of the p	eformil Some a staken dan te some (S

25) When a DC volta	go is first applied to an ind-	noton the initial about	racy) doeshar	_ 40,70		
20) When a DC Volta	ge is first applied to an indu	ictor, the initial circuit cur	rent is zero.	25)		
26) Inductors in serie	s or parallel combine just li	ke resistors in series or par	allel.	26)		
IULTIPLE CHOICE. Cho	ose the one alternative tha	t best completes the states	ment or answers the ques	tion.		
27) If a 25 mH induct	27) If a 25 mH inductor drops 50 V while operating at 400 Hz, what is XL?					
Α) 62.8 Ω	B) 62.8 kΩ	C) 628 Ω	D) 6.28 kΩ	ara sagari		
28) The time constant	t for an inductor for each tin	ne period is:		28)		
A) 63% of the in	crease in value.	B) a constant fact	or.			
C) 37% of the de	ecrease in value.	D) all of these.				
29) What is the reacta	nnce of an inductor that carr	ies 1.25 mAP and drops 25	5 Vp at 100 Hz?	29)		
Α) 20 kΩ	Β) 15.7 kΩ	C) 31.25 Ω	D) 3.125 kΩ	ent med		
30) What is the induc	tive reactance of an inducto	r that drops 12 VRMS and	carries 50 mARMS?	30)		
Α) 6 Ω	Β) 240 Ω	C) 600 Ω	D) 60 Ω	10978		
31) What is the induc	tance of a 20 mH inductor c	onnected in parallel with a	a 50 mH inductor?	31)		
A) 14.29 mH	B) 20 mH	C) 50 mH	D) 70 mH			
32) If an inductor carrits resistance?	ries 100 mADC of current w	hen connected across a 30	V <sub>DC</sub> source, then what is	32)		
Α) 0 Ω	Β) 30 Ω	C) 60 Ω	D) 300 Ω			
RUE/FALSE. Write 'T' if t	he statement is true and 'F	if the statement is false.				
33) The total inductar	nce of two parallel inductors	s equals the sum of their in	ductance values.	33)		
	urrent are in phase in an inc			34)		
ULTIPLE CHOICE. Cho	ose the one alternative that	best completes the staten	nent or answers the ques	tion.		
	cuit at resonance, the capaci	tive reactance (XC) and the	e inductive reactance (XL):	35)		
A) add to each o		B) cancel each oth	ner.			
C) are minimum	1.	D) are moderate.				
	ge of a circuit at 70.7% of its	maximum level measured	in dB is:	36)		
A) 7 dB.	B) 3 dB.	C) -7 db.	D) -3 dB.			
RUE/FALSE. Write 'T' if t	he statement is true and 'F'	if the statement is false.				
37) A step-down transformer could have a primary-secondary turns ratio of 4:1.			37)			
38) A typical transfor	mer fault would be an open	winding.		38)		

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.



39)	In Figure 14–1, the pri	mary secondary turns rati is the reflected resistance s	o is changed to 2.5:1 and seen by the primary?	the secondary current	39)		
	A) 2.5 kΩ	B) 5 kΩ	C) 3 kΩ	D) 1.2 kΩ			
RUE/F	ALSE. Write 'T' if the s	tatement is true and 'F' if	the statement is false.				
40	) A transformer can be	used as an impedance ma	tching device.		40)		
ULTIE	LE CHOICE. Choose	the one alternative that b	est completes the statem	ent or answers the question	n.		
41	) When a 1 kΩ load res	istor is connected across the "sees" a reflected load of	ne secondary winding of	a transformer with a turns	41)		
	Α) 250 Ω	Β) 1 kΩ	C) 4 kΩ	D) $2 k\Omega$			
42	) Transformers	<u> </u>			42)		
	A) convert a lower	current into a higher curre	nt				
		ance of a source to the im		×			
		voltage into a lower volta					
	D) all of these						
43	<ol> <li>Only the number of t secondary voltage.</li> </ol>	urns in the primary and se	econdary of a transforme	r determines the actual	43)		
44	4) Autotransformers ca	nnot be used for isolation	purposes since there is or	nly one winding.	44)		
1ULTI	PLE CHOICE. Choose	the one alternative that b	est completes the staten	nent or answers the questio	n.		
45	5) When the turns ratio voltage is	of a transformer is 1:10 an	d the primary AC voltag	e in 6 V, then the secondary	45)		
	A) 6 V	B) 60 V	C) 0.6 V	D) 36 V			
4	46) When a 1 k $\Omega$ load resistor is connected across the secondary winding of a transformer with a turns ratio of 2:1, the source "sees" a reflected load of						
	A) $4 k\Omega$	B) 2 kΩ	C) 500 Ω	D) 1 kΩ			
RUE/I	FALSE. Write 'T' if the	statement is true and 'F' i	f the statement is false.				
4	7) An ideal transforme	r has no power loss.			47)		
		a turns ratio of 1:7 is a step	down transformer.		48)		
	• Compared the second s						
			5				