國立臺灣科技大學答案卷

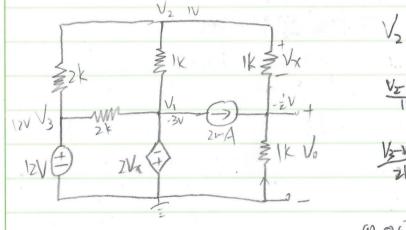
National Taiwan University of Science and Technology Answer Sheet

姓名/Name	學號/Student ID	班級/Class
科目/Course title		日期/Date

評分 教師簽章
Score Signature of Lecturer

記分欄

從此處開始寫起。試卷用紙務須節用,非經主試認可不得續用其他紙張作答。/Please write from here



$$\frac{\sqrt{2} - \sqrt{0} = \sqrt{\chi}, \ \sqrt{1 = 2} \sqrt{\chi}, \ \sqrt{3} = 1}{2 \sqrt{0} - \sqrt{1 - 2} \sqrt{2} = 0}$$

$$\frac{\sqrt{2} \sqrt{0} - \sqrt{1 - 2} \sqrt{2} = 0}{1 \sqrt{1 + 2} \sqrt{1 + 2}}$$

$$\frac{\sqrt{2} \sqrt{0} - \sqrt{2} = 2}{2 \sqrt{1 + 2}}$$

$$\frac{\sqrt{2} \sqrt{0} + \sqrt{2} = 2}{2 \sqrt{1 + 2}}$$

$$\frac{\sqrt{2} \sqrt{0} - \sqrt{2} = 2}{2 \sqrt{1 + 2}}$$

$$\frac{\sqrt{2} \sqrt{0} - \sqrt{2}}{2 \sqrt{1 + 2}}$$

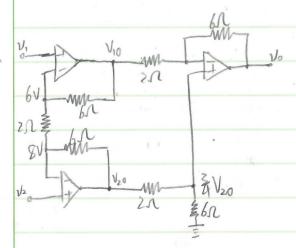
$$\frac{\sqrt{2} \sqrt{0} - \sqrt{2}}$$

$$\frac{\sqrt{2} \sqrt{0} - \sqrt{2}}$$

$$\frac{\sqrt{2} \sqrt{0} - \sqrt{2}}$$

$$\frac{\sqrt{2} \sqrt{0}}{2}$$

$$\frac{2} \sqrt{2} \sqrt{0}$$

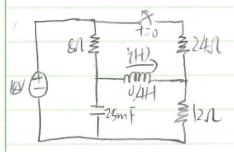


$$V_{10} = 6 + \frac{6-8}{2} \times 6 = 0V$$

 $V_{20} = 8 + \frac{8-6}{2} \times 6 = 14 V$

$$\frac{\sqrt{0-4}\sqrt{0}}{6} = \frac{4\sqrt{0}-\sqrt{0}}{2}$$
 $\frac{\sqrt{0-105}}{6} = \frac{105}{2}$
 $\sqrt{0=42}$



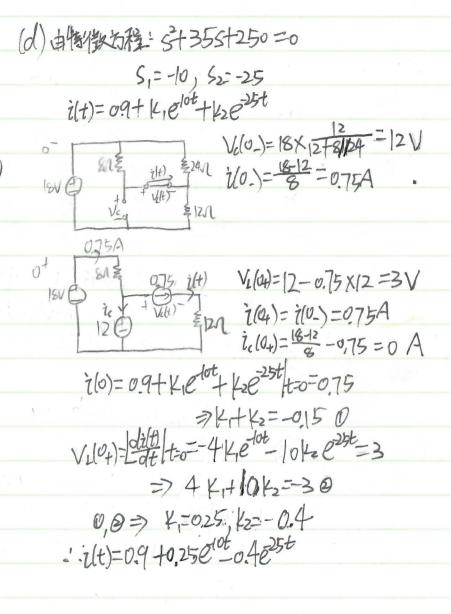


- (a
 - i(t)=(dvolt) = 0.025 dvolt Velt)=lditt)+12ilt)=0.4dilt +12ilt) h(t)=(1 dit) + 12(dit) = 001 dit) + 03 dit) [8=Vc(t)+8[i(t)+ic(t)] [8=0.4 dt +[2ilt] +8[0.0] dt +03 dt+it] => 0.08 dt +2.8 dt +20ilt=18

dit +35 dt +250i(t)=225

特徵为程: \$+35\$+250=0 ip(t)=225 = 0.9

(b) 5+2 2 wn Stan=0 Wn= 550 = 5-10 (C) 24Wn=35, Wn=5-10 : 4=35-1.07 为1,1.为过阻尼系统)



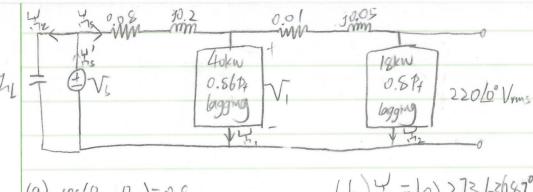
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1	元-六-26° , 元-元= 元,	Hz-247	4=4=-2.875+70,039	
4	-> - Hz+2Hz-2H6-0		Fa=275-76-12=-15.727	-J0.458
	-43-75+(2+71)76=00		70=44-7=-12.852-JO.4	96 #
	- 4,+254-75=2Vx, V	-74-75		
	⇒一片十片=00			
	1,2回圈,10号一样,打岩一台	4-1260 => (10-1) 4, +1/3-4=	-12+12@	
	- 54+255-56=120			
	(g, @, 6) =) 14z+(8-1) 4		TO THE THE	247
	0,000 -) [-73+2:		Edil Ja	
	- 72- 72		+ 126°V	2 310
	\	5-1) 75+46=-24+12	7 7 7 76	E JIN
		- Juggz, 4, =-2.875+ju.038	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	5/2-2.00	23+j0.534		

教師簽章 Signature of Lecturer

Score



(a)
$$(05(\theta_{2N}-\theta_{2i})=0.8$$
 (b) $(agging=)$ $\theta_{2i}=\theta_{2N}+36.87^{\circ}$ $=-36.87^{\circ}$ $=-36.88^{\circ}$ $=-36.88^{\circ}$

=-29.793°

 $(b) H_{s} = |03.273| - 30.81^{\circ} + 207.722| - 29.713 = 262.085 - 1164.474$ $= 309.473| - 32.126^{\circ}$ $T_{s} = 06.8.606 + 32.126^{\circ}) = 0.76 \pm 1$ $(c) S = V_{s} H_{s}^{*} = 86942| - 40.732^{\circ} = 65882 + 15673| V.A \pm 1$ $(d) \theta_{v} - \theta_{i} = (05'(0.97)) = |4.07^{\circ}$ $S = \frac{1}{5} + \frac{1}{$

