## 計算機概論課堂測驗一(Ch.1~2)

2007/10/04

	系級:	學號:	姓之	名:	
<b>-</b> 、	是非題 (每題3分)				
(	) 1. A computer is a specific-purpose machine.				
(	) 2. 臺灣使用的繁	體中文編碼系統稱為	ASCII •		
(	) 3. The term "multimedia" is used to define information that contains numbers, tex images, audio, and video.				
(	) 4. Memory, arithm von Neumann mod	•	l unit, and prograi	m are the four subsystems of the	
(	) 5. The von Neuma	nn model states that the	ne program must b	e stored in memory.	
(	) 6. Software engineering is the design and writing of a program in structure form.				
(	) 7. A step-by-step s	solution to a program i	s called an algorit	hm.	
二、	選擇題 (每題3分,	答案不一定只有一個	)		
(	) 1. A 17th centur mechanical c	•	cian invented the	, which was a	
	(A) Difference	Engine (B) Holle	erith card (C) M	Mark I (D) Pascalline	
(		umann model, theocessing results to outp		tem accepts data and programs	
	(A) ALU	(B) input/output	(C) memory	(D) control unit	
(	) 3. In extended ASCII, a of the bit pattern for regular ASCII code.				
	(A) 1 bit is adde	ed to the right			
	(B) 1 bit is adde	ed to the left			
	(C) 0 bit is adde	ed to the right.			
	(D) 0 bit is adde	ed to the left			
(	) 4what to do w	_ is a set of instruction ith data.	ns in a computer l	anguages that tells the computer	
	(A) An operating	g system (B) An al	gorithm (C) A	calculator (D) A program	
(	) 5. A 32 bit code wa	s developed by	to represent	symbols in all languages.	
	(A) ANSI	(B) ISO	(C) EBCDIC	(D) IBM	
(		graphic method or rescaled to any arbitra		image in a computer, the image	
	(A) vector	` ′	C) matrix	(D) bitmap	
(	) 7. If the ASCII for	h' is 1101000, then the	e ASCII code for '	t' is	
	(A) 1100011	(B) 1000111 (C)	1110100 (D) 1	001000	

## 三、 填空題 (每格4分)

1.	1. A(n)	originally worked as a manager to facilitate
	access of the computer components for a	program.
2.	2. Show the three necessary steps how to ch	ange the audio data to 'binary bit pattern':
		and
3.	3. 在電腦世界裡,影像顯示通常是由三經	種顏色(三原色)的強度組合,請問是哪三種顏色?
		。
4.	4. How many symbols can be represented b	y a bit pattern with 8 bits?
5.	5. The octal equivalent of the bit pattern 101	1110010 is
6.	6. The bit pattern for x24C is	·
	average. Total length of this video is 10 s	er second. Each sample is represented by 2KB in seconds. How many bits are needed to store this signal?
		$P_0 = (x_\sigma y_\sigma)$
	四、 簡答題 (每題 10 分):	
1.	<ol> <li>右圖是是利用貝茲 (Bezier) 曲線來描 請寫出其 x、y 座標描述的方程式。</li> </ol>	1. 业一個弧形的輪廓,
	答題處:	$P_{t} = (x, y_{t})$ $P(t) = Q_{012}$
		Q <sub>12</sub>
2 .	2、試繪圖說明如何使用 John Napier's Bo	
	答題處:	$P_2 = (x_2 y_2)$