# 國立成功大學 112學年度碩士班招生考試試題

編 號: 225

系 所:會計學系

科 目:計算機概論

日期:0207

節 次:第2節

備 註:不可使用計算機

編號: 225

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第1頁,共4頁

考試日期:0207,節次:2

	、選擇題 50 分(每題五分)			
1.	Which of the following is a small version of a larger graphic on a webpage?			
	a. keyframe	c. applet		
	b. thumbnail	d. extraction	n	
2.	Which of the following is a popular a. Facebook	social networking site?  c. Safari		

※ 考生請注意:本試題不可使用計算機。 請於答案卷(卡)作答,於本試題紙上作答者,不予計分。

3. Which of the following is NOT an example of malware?

a. adware

c. rootkits

d. Internet Explorer

b. vaporware

Chrome

d. zombies

4. Which of the following is the term for unsolicited mail messages?

a. e-junk

c. malware

b. spam

d. mail output

5. Which of the following is NOT a type of kiosk?

a. financial

c. media

b. ticket

d. visitor

6. What is the term for a square-shaped coded graphic that corresponds to a web address or other information?

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a.	ISBN	code

c. USPS code

b. bar code

d. QR code

7. Which of the following has the same intent as a cracker, but does not have the technical skills and knowledge?

a. hacker

c. cyberextortionist

b. script kiddie

d. cyberterrorist

8. What is another name for public key encryption?

a. controlled key encryption

c. asymmetric key encryption

b. virtual key encryption

d. secure key encryption

9. The role of memory to store both data and programs is known as which of the following concepts?

a. stored program

c. ROM

b. random memory

d. store and send

10. What is pixel pitch sometimes called?

a. dot pitch

c. ratio pitch

b. display pitch

d. contrast pitch

二、非選擇題 50 分

1. (10%) Given the three relations X, Y, and Z below

X: <u>A</u> B

Y: <u>C D</u> Z: <u>E F</u>

7 s

t 4 2 w

3 z

. 2 3 q

1 u

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第3頁,共4頁

what values would be retrieved by executing the following statement?

2. (8%) The following represents a portion of a computer's main memory.

Address	Contents	
50	51	
51	56	
52	53	
53	57	
54	.58	
55	50	
56	57	
57	52	
58	53	

A. What would be stored at address 50 after executing the instruction "Copy the contents of the memory cell at address 54 to address 50"?

B. What would be stored at address 50 after executing the instruction "Copy the contents of the memory cell pointed to by the cell at address 54 to address 50"?

3. (10%) If numeric values are represented in two's complement notation, does the following program represent an infinite process? Explain your answer.

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第4頁,共4頁

$$X \leftarrow 2$$
  
while  $(X > 0)$  do  $(X \leftarrow X + 1)$ 

4. (10%) A binary tree has eight nodes. The inorder and postorder traversal of the tree follow:

Postorder::FECHGDBA Inorder::FECABHDG

Draw the tree.

- 5. (12%) A multiprogramming operating system uses paging. The available memory is 60MB divided into 15 frames, each of 4 MB. The first program needs 13MB. The second program needs 12MB. The third program needs 27MB.
  - (a) How many frames are used by the first program?
  - (b) How many frames are used by the second program?
  - (c) How many frames are used by the third program?
  - (d) How many frames are unused?
  - (e) What is the total memory wasted?
  - (f) What percentage of memory is wasted?