## 國立高雄第一科技大學 101 學年度 碩士班 招生考試 試題紙

刊: <u>系統資訊與控制</u> 馬:1151	<del></del>			
		<u> </u>		
-項:				
	電子計算器。			
於 <u>答案卷上規定之範圍</u>	作答,違者該題不予計分。			
摆磨:20 晒, <del>何</del> 晒 2 /	\. # 60 /\			
		(C) Pipelining		
- ,	•	(C) ripetiting		
(4)77				
		(C) Machine readable		
inie dependent	(E) Makeup language			
mail uses protoco	ol .			
TP	(B) SNMP	(C) HTTP		
IIME	(E) IMAP.			
For object-orient language, is used to describe the capability which with same				
		•		
ncapsulation	(B) Protection	(C) Inheritance		
olymorphism	(E) Abstraction.			
rnet, which description f	for proxy server is <b>WRONG</b> ?			
(A) Accelerate web page download speed (B) Fixed communication port				
	(D) Provide data to web user	(E) Filter web access.		
of the following is NOT	C the feature of virtual manager?			
•		(E) Use disk space.		
		•		
executes the Java virtual machine, such that Java is independent of platform.				
-		(C) Server		
ssembler	(E) Interpreter.			
oolicy does a queue use t	o arrange the operation sequence?			
		(C) T		
IFO ·	(B) LIFO	(C) Random		
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9. The database uses _	to control data <b>re</b>	dundancy.				
(A) Integrity	(B) Inde	pendence	(C) Generalization			
(D)Encapsulation	(E) Con	sistency				
10. Which statement of	machine cycle is <b>WR</b> (	ONG when describing	the typical computer			
	architecture, also named Von Neumann architecture?					
(A) Fetch instruction	on from memory	(B)Execute	operation			
(C) Send message	through internet	· · · · · · · · · · · · · · · · · · ·				
(E) Write result to	memory	· ·				
11. Which solution is the	e KEV for improving e	efficiency of the Von N	Jaumann arabitaatura?			
(A) Increase CPU s		ease memory speed	(C) Increase bus speed			
(D) Increase memo	•	ease number of CPU c	•			
12. Which of the following						
(A) Connection-oriented (B) Fixed data transmission sec			<del>-</del> -			
(C) Higher QoS than TCP/UDP (D) Higher Speed than TCP/UDP (E) Reliable communication.						
(E) Reliable commi	inication.	· 13				
13. During communicati	on, a digital signature j	provides				
(A) Confidentiality	(B) Gene	eralization	(C) Independence			
(D) Authentication	(E) Enca	psulation				
14. Which factor is <b>NOT</b>	included when manag	ging a software project	t?			
(A) Time	(B) Cost	, 1 3	(C) Technology			
(D) Quality						
15. What is <b>WRONG</b> to	describe hash?	•				
(A) Without collisio		to search array value	(C) Well efficiency			
(D) Used in MD5	` /	memory to handle the	· /			
16 Harry many hits (at la						
16. How many bits (at least) (A) 6		esent 300 different sy				
(D) 9	(B) 7		(C) 8			
	(E) 10					
17. Which one of the foll	owing file format can l	NOT be viewed in 小	畫家?			
(A)GIF	(B) JPEG	r	(C) BMP			
(D) TIFF	(E) MAV					
18. Which of the following	ng is <b>NOT</b> suitable to c	lirectly control hardw:	are?			
(A) Visual BASIC	(B) C++		(C) Java			
(D) C#	(E) Assen	nbly	(0) 0010			
	, ,					

第2頁,合計 3頁【尚有試題】

19. What is the result after executing the recursive (4)?

Int recursive (int x){

If (x == 0) return 1

else return x \* recursive(x-1);

}

(A)22

(B) 24

(C) 26

(D) 28

- (E)30
- 20. Which of scheduling algorithm can prevent CPU from starvation?
  - (A) Priority

(B) Round-robin

(C) Random

(D) FIFO

- (E) Shortest-job-first
- 二、簡答題:5題,每題4分,共20分

Give and describe at least one example to show the applications of the following technologies:

- 1. Cloud Computing
- 2. Web cookie
- 3. RAID
- 4. Dynamic Linking
- 5. Page Rank
- 三、程式題:2題,每題10分,共20分

Use C, Basic, or Java to realize the following functions. Please define the variables, input and output parameters, and function codes.

- 1. Function Inverse: Input a data string, e.g., "Hello", and the function Inverse can output the inversed data string, i.e., "olleH".
- 2. Function Classification: After input an integer value, the function Classification can output one of the level {"L", "M", "H"}. If the input value is less than 25, then output "L". If the input value is great than 32, then output "H", otherwise output "M".