## 國立嘉義大學 101 學年度基礎學科學力競賽試題卷

7	科目:	計算機概論	題型	:選擇題		西己之	分:100%			
1.	A step	b-by-step solution to a problem	is calle	d						
	(A)	hardware	(B)	an operating system		(C)	a computer language			
	(D)	an algorithm								
2.		is multiprogramming with swapping.								
	(A)	Partitioning	(B)	Paging		(C)	Demand paging			
	(D)	Queuing								
3.		is a multiprogramming method in which multiple programs are entirely in memory with each								
	progra	program occupying a contiguous space.								
	(A)	Partitioning	(B)	Paging		(C)	Demand paging			
	(D)	Demand segmentation								
4.	A process in the ready state goes to the running state when									
	(A)	it enters memory	(В	) it requests I/O						
	(C)	it gets access to the CPU	(D	) it finishes running	5					
5.	A pro	gram becomes a whe	en it is s	selected by the opera	ting sys	tem ar	nd brought to the hold			
	state.									
	(A)	Job	(В	) process						
	(C)	Deadlock	(D	) partition						
6.		can occur if a process has t	oo mar	ny resource restriction	าร.					
	(A)	Starvation	(B)	Synchronization		(C)	Paging			
	(D)	Deadlock								
7.		is a process in which an algo	orithm o	alls itself.						
	(A)	Insertion	(B)	Searching		(C)	Recursion			
	(D)	Iteration								
8.	The _	level of a three-level [	OBMS a	rchitecture defines th	ne logica	al view	of the data.			
	(A)	External	(B)	conceptual		(C)	Internal			
	(D)	Physical								
9.	Of the	Of the various database models, the model is the most prevalent today.								
	(A)	Hierarchical	(B)	network	(C)	relat	ional			
	(D)	linked list								
10.	Each d	column in a relation is called		_						
	(A)	an attribute	(B)	a tuple	(C)	a uni	on			
	(D)	an attitude								
11.	In asymmetric-key cryptography, there is (are) only key(s).									
	(A)	one secret	(В	) one private and o	ne publ	ic (	(C) either A or B			

12.	Which physical topology uses a hub or switch?									
	(A)	Bus		(B)	ring					
	(C)	Star		(D)	all of the above					
13.	The TCP/IP model has layers.									
	(A)	Five		(B)	six		(C)	seven		
	(D)	any of the	above							
14.	If the exponent in Excess_127 is binary 10000101, the exponent in decimal is									
	(A)	6		(B)	7		(C)	8		
	(D)	9								
15.	For an 8-bit allocation, the largest decimal number that can be represented in two's complement form is.									
	(A)	8		(B)	127	(C)	12	8		
	(D)	256								
16.	When you want to store music in a computer, the audio signal must be									
	(A)	Sampled		(B)	quantized	(C)	co	ded		
	(D)	)) all of the above								
17.	The precision of the factional number stored in a computer is defined by the									
	(A)	Sign		(B)	exponent		(C)	mantissa		
	(D)	any of the	above	( )			(-)			
18.	In an Excess conversion, we the bias number to the number to be converted									
_0.	(A)	Add		(B)	Subtract		(C)	multiply		
	(/ () (D)	divide		(-)			(0)			
10	Find how many times the statement in the following code segment in C is executed									
101						10 0/10				
			do A=5							
			ио ,							
			۱ statement:							
			A=A+1;							
	()		} while(A<10)	(5)				c		
	(A)	4		(B)	5		(C)	6		
	(D) ∞									
20.	In a set v	with 128 sym	bols, each symbol i	requir	es a bit pattern length of _ _		b	its.		
	(A)	128		(B)	5		(C)	6		
	(D)	7								

21.	According to the von Neumann model, stored in memory.							
	(A)	only data are	(B)	only programs are				
	(C)	data and programs are	(D)	none of the above				
22.	In the vor	n Neumann model, the	su	system serves as a manager of the other subsystems.				
	(A)	ALU	(B)	input/output	(C)	memory		
	(D)	control unit						
23.	• Which model is the basis for today's computers							
	(A)	Leibnitz	(B)	von Neuman	(C)	Pascal		
	(D)	Charles Babbage						
<b>24.</b> The data in is erased if the computer is power down.								
	(A)	RAM	(B)	ROM	(C)	a tape drive		
	(D)	a CD-ROM						
25.	In the	method for synchronizi	ng the	e operation of the CPU with an	I/O de	evice, a large block of		
	data can be passed from an I/O device to memory directly.							
(A) programmed I/O (B) interrupt-dri								

(C) DMA (D) isolated I/O

〈試題作答結束〉