## 台灣聯合大學系統94學年度學士班轉學生考試命題紙

科目:計算機概論 類組別: B4 共 2 頁第 1 頁 \*請在試券答案券內作答 選擇(請在下列各小題內,選擇正確、最接近或最合適答案之選項號碼 A,B,C,D 寫入答案卷。注意!作答必須依序 標明每小題之題號,選項號碼 A,B,C,D 如同試題用大寫,否則不予計分)(每小題 2%)。 (1) SQL (Structured Query Language) 主要是在下列哪一種資料庫模式所使用? (A) Relational (B) Frame (C) Network (D) Hierarchical. (2) 十進位的小數 0.375,以二進位表示時,其值為 (A) 0.0101 (B) 0.101 (C) 0.011 (D) 以上皆非. (3) 物件導向程式語言是屬於 (A) fourth-generation language (B) third-generation language (C) fifth-generation language (D) second-generation language. (4) UML (Unified Modeling Language) 主要是用來做 (A) 網路規劃 (B) 物件導向分析、設計 (C) 資料庫設計 (D) 結構 化設計. (5) 10110011 的 2 的補數爲 (A) 01001100 (B) 11001100 (C) 01001101 (D) 以上皆非. (6) 電腦支援 pipelining 的作用為 (A) 增進 processing 速度 (B) 增加 memory 容量 (C) 增加 interface 連接 (D) 增 進 networking 傳輸. (7) 在 WWW 裏,下面哪一項不包含於 URL? (A) Page (B) Protocol (C) Topology (D) Internet address. (8) 一般而言,在軟體發展生命週期 (Systems Development Life Cycle) 裏所發生的費用,以哪個階段最高? (A) 系統寫 碼(B) 系統分析與設計(C) 系統測試(D) 系統維護 (9) 下面哪一項不包含於 machine cycle? (A) Fetch (B) Store (C) Decode (D) Link. (10) 處理器內所含有的高速儲存裝置稱爲 (A) Cache (B) Encoder (C) Register (D) Loader. (11) Whereas a standard dial-up telephone line carries only one signal, digital T-carrier lines use \_\_\_\_\_ so that multiple signals share the line. (A) multiplexing (B) file sharing (C) packet switching (D) collaborating. (12) A is a communications device that connects multiple computers and transmits data to its correct destination on the network. (A) multiplexer (B) router (C) server (D) network card. (13) A T3 line is equal in speed to \_\_\_\_ T1 lines. (A) 28 (B) 256 (C) 76 (D) 8. (選擇最接近之答案) (14) A is a program that copies itself repeatedly, for example, in memory or on a network, using up resources and possibly shutting down the computer or network. (A) Trojan horse (B) Worm (C) Spam (D) Cybercrime. (15) A translator called a \_\_\_\_ translates and executes programs written in a symbolic language one statement at a time. (A) compiler (B) editor (C) interpreter (D) loader. (16) In structured design, system designers use a \_\_\_\_\_ to show program modules graphically. (A) use case diagram (B) flow chart (C) structure chart (D) class diagram. (17) When a computer uses TCP/IP to send data over the Internet, the data is divided into \_\_\_\_\_. (A) buses (B) records (C) signals (D) packets. (18) The concept of packaging data and procedures into a single object is called \_\_\_\_. (A) encapsulation (B) inheritance (C) dynamic binding (D) assembling. (19) Which of the following is the commonly used network topology? (A) LAN (B) Bus (C) Token (D) Bridge. (20) A is a file that a Web server stores on a computer to collect data about the user. (A) hoax (B) spyware (C) cookie (D) cracker.

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	(22)	can tackle computing computing.  2) Which answer is corredata collectively at oprocessing.  3) E-R diagram is used if the compose of the comp	g problems together ect for the following me time." (A) Transfer (A) network plansfer that generates extrabase that stores	er." (A) Green computing and statement: "Holding all consaction processing (B) Distancing (B) systems design (Coclock pulses whichthe	mputers are hooked up across the (B) P2P computing (C) Centralized data until output is to be produced stributed processing (C) Batch processing (D) project planche computer's operations. (A) synthetical to analyze historical and dehouse.	and then processing the occessing (D) Interactive ming.	
	Ass			ed to store the address for a 2 the cache access time is 2 ns	256 MB RAM. (5%) s and the hit rate is 60%, compute	the expected memory	
4.	Cal	lculate the value of base	e $x (>0)$ in $132_x = 9$	90 <sub>10</sub> . (5%)			
5.	Wł	hat is the main function	of an operating sy	vstem? (5%)			
6.	Wł	What is multitasking in operating systems? (5%)					
7.	Wł	hat is virtual memory?	(5%)				
8.	Wł	hat are the three structur	res of program log	ic in structured programmin	g or high-level programming lang	guages? (10%)	
9.	What is the von Neumann architecture? (10%)						