93學年度國立成功大學 資訊管理研究所 甲組 計算機概論

試題 共 5 頁

(一) 選擇題:每一題二分,答錯不倒扣。第一大題限答在第一頁上,先畫一個表格,每五題爲一列。請標明題號,未依題號依序作答者,一律不予計分。

	表格,每五題爲一列。請標明題號,未依題號依序作答者,一律不予計分。
L	The Accelerated Graphics Port (AGP) is a. the most common and slowest expansion bus b. a bus designed to improve the speed with which 3-D graphics and video transmit c. a high-speed expansion bus that connects higher speed devices such as hard disks d. a bus that eliminates the need to install cards into expansion slots
2.	 A vertical market ASP a. offers a variety of software applications to a specific geographic area b. supplies prepackaged, standard entertainment applications c. provides applications for a particular industry d. customizes and delivers high-end business applications
3.	Instant messenger software allows a. real-time exchange of messages or files with another online user b. geographically separated people to transfer audio and video c. transmission of messages and files via a network such as the Internet d. users to access and view Web pages on the Internet
4.	 a. document that contains the formatting necessary for a specific document type b. sequence of keystrokes and instructions that a user records and saves c. small image on the screen that represents a program or document d. collection of drawings, diagrams, and photographs that can be inserted into a document
5.	The COM port (short for communications port) on the system unit is one type of a. USB port
6.	A nanosecond (abbreviated ns) is one of a second. a. billionth

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7.	Retail and grocery stores use the bar code.								
	a.	a. UPC (Universal Product Code)							
	b.	. Interleaved 2 of 5							
	¢.	Codabar							
	d.	e)							
8.	Α	has pins on opposite sides of the circuit board that connect together to form one set of							
	contacts.								
	a.	a. DIMM (dual inline memory module)							
	b.	o. SIMM (single inline memory module)							
	c.	. RIMM (Rambus® inline memory module)							
	d.	CIMM (Cantus® inline memory module)							
9.		_ automatically appear on the screen w	hen a ce	rtain action is performed.					
	a.	Tracking changes	c.	File names					
	b.	Mail merges	d.	Smart tags					
10.	A(ı	A(n) is a communications line between a device and the processor.							
	a.	disk operating system line (DOS)	c.	interrupt request line (IRQ)					
	b.	preemptive multitasking line (PMT)	d.	fault-tolerant computer line (FTC)					
	-								
11.		Fransfer rates for disks are stated in							
		a. KBps (kilobytes per second) and MBps (megabytes per second)							
		b. MBps (megabytes per second) and GBps (gigabytes per second)							
	C.	1 (00) 1 seems, and all provides per seconds							
	d.	d. TBps (terabytes per second) and PBps (petabytes per second)							
12									
12.		Networks, midrange servers, mainframes, and supercomputers allow hundreds to thousands of							
		ople to connect at the same time, and the	is are						
	a.	single user	c.						
	b.	single processing	d.	multiprocessing					

13.	The drive designation of a CD or DVD drive usually a. precedes alphabetically before that of all the hard disks and portable disks b. comes alphabetically between that of the hard disks and portable disks c. follows alphabetically after that of all the hard disks and portable disks d. comes alphabetically between that of the portable disks and hard disks							
14	Some users input music and other sound effect	s us	ing external devices such as an					
	 Some users input music and other sound effects using external devices such as an electronic piano keyboard. 							
	a. MICR	c.	MIDI					
	b. POS	d.	DSP					
15.	is the process of encoding data and inform							
	a. Encryption		Transmission					
	b. Formatting	a.	Spooling					
16.	A is the smallest element in an electronic a. byte b. pixel	c.	ge. character point					
17.	is used primarily on mainframe compute	rs aı	nd high-end servers.					
	a. American Standard Code for Information							
	b. Unicode							
	c. Extended Binary Coded Decimal Intercha	nge	Code (EBCDIC)					
	d. Multicode							
10	Most PDAs today include, among other featur	eec.	functionality					
10.	a. DTP		CAD CAD					
	b. PIM		WBT					
	V1 & 4474							
19.	Popular embedded operating systems include a. Windows CE .NET b. Palm OS and Symbian OS	c.	of the following except NetWare and Linux Pocket PC 2002					
	o. I anni oo ana ojinolan oo	-						

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資訊管理研究所 甲组 計算機概論 試題 21 20. Originally called an erasable CD (CD-E), a _____ overcomes the major disadvantage of CD-R disks, which is being able to write on them only once. a. CD-ROM c. CD-RW b. DVD-ROM d. DVD-R 21. In a grocery store, a(n)____ is a combination of an electronic cash register, bar code reader, and printer. a. automated teller machine (ATM) c. point of sale (POS) terminal b. flatbed scanner d. smart display 22. With _____, which is designed for smart phones, users input data by pressing keys on the keypad or keyboard, touching the screen, writing on the screen with a small stylus, or speaking into the smart phone. a. Palm OS c. Pocket PC 2002 b. Symbian OS d. Windows CE .NET 23. A ____ is a window on the screen that displays notes and drawings simultaneously on the screens of all participants in a video conference. a. blackboard c. chalkboard b. whiteboard d. baseboard 24. One gigahertz (GHz) equals one ____ ticks of the system clock per second. a. thousand c. billion b. million d. trillion 25. A template is a .

a. small image on the screen that represents a program or document b. sequence of keystrokes and instructions that a user records and saves

c. document that contains the formatting necessary for a specific document type

d. collection of drawings, diagrams, and photographs that can be inserted into a document

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26.	How	many	bytes	are	used	in	an	IPv6	address.	

- a. 4 c. 8
- b. 12 d. 16
- 27. When a mobile user connects to a main office using a standard Internet connection, a provides the mobile user with a secure connection to the company network server.
- a. value added network (VAN) c. virtual private network (VPN)
- b. local area network (LAN) d. wide area network (WAN)
- 28. A DBMS uses the _____ to perform validation checks.
- a. data server c. data warehouse
- b. data mart d. data dictionary
- 29. In a relational database, each row .
- a. and each column has a primary key
- b. has a unique name and each column has a primary key
- c. has a primary key and each column has a unique name
- d. and each column has a unique name
- 30. The simplest RAID design is level 1, called _____, which writes data on two disks at the same time to duplicate the data.
- a. farming c. empowering
- b. mirroring d. striping

(二)簡答題

- 31. Please explain the booting process of a Personal Computer. (Hint: when the power on, how a PC can be activated to be ready for a user?) (8%)
- 32. Please list four popular last mile technologies at Taiwan and compare them (10%)
- 33. Please give a SQL description to find the detail of students whose age are over 20 by searching the "student" table. The schema of the student table is student(ID, name, age, address). (5%)
- 34. Please transfer the decimal value of 170 into hexadecimal and binary form, and list the calculation process (6%)
- Please use pseudo code to describe how you transfer a decimal into binary form.
 (6%)
- 36. What's the difference between the interpreter and the compiler language (5%)