

臺灣綜合大學系統 108 學年度學士班轉學生聯合招生考試試題

科目名稱	計算機概論	類組代碼	A12
		科目碼	A1201

※本項考試依簡章規定各考科均「不可以」使用計算機 本科試題共計 4 頁

請於答案卡上作答，否則不予計分

單選題(每題 2 分，共 100 分)

- In database management, the process of comparing data with a set of rules to determine if the data meets certain criteria is called (A) validation (B) integration (C) combination (D) mining.
- Which of the following is the newest technology for processing data? (A) database management system (B) data mining (C) web database (D) big data.
- Who is responsible for managing and coordinating all database activities such as development and maintenance? (A) DBA (B) MBA (C) NBA (D) root.
- In a database, the (A) directory (B) dictionary (C) list (D) table contains data about each file and each field in those files.
- A program design tool that is a visual representation of the logic in a function within a program is called (A) program map (B) pseudocode (C) flowchart (D) structure chart.
- Which of the following identifiers is not valid in C++ program? (A) \_option (B) A3 (C) tax-rate (D) amount.
- A picture element on a monitor is also called (A) an icon (B) a picture (C) a figure (D) a pixel.
- Before execution or processing, program and data must be transferred to (A) control unit (B) ROM (C) RAM (D) secondary storage.
- Which of the following is not a jump statement in C++ program? (A) *break*; (B) *case*; (C) *continue*; (D) *return*;
- Which of the following statements about passing array elements is true in C++ program? (A) Arrays cannot be passed to functions because their structure is too complex. (B) It is not possible to pass just a row of a two-dimensional array to a function. (C) Only the size of the first dimension is needed when a two-dimensional array is declared in a parameter list. (D) When an array is passed to a function, it is always passed by reference.
- Which of the following will not add 1 to a variable in C++ program? (A)  $x++$ ; (B)  $*p=*p+1$ ; (C)  $x+=1$ ; (D)  $*p++$  ;
- Which of the following defines a pointer variable to an integer in C++ program? (A)  $\text{int \&ptr}$  ; (B)  $\text{int** ptr}$  ; (C)  $\text{int* ptr}$  ; (D)  $\text{int \&\&ptr}$  ;
- In C++ program, we use the (A) . (B) # (C) \* (D) :: operator to access a class member.

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14. In C++ program, private data in a class can be accessed by (A) only other private data in the class (B) only public data in the class (C) only public functions in the class (D) both public and private functions in the class.
15. In C++ program, the enumerated type (*enum*) is derived from the (A) character (B) integer (C) boolean (D) floating point type.
16. In the sending computer, UDP receives a data unit from the (A) application (B) transport (C) network (D) data link layer.
17. The TCP/IP protocol suit consists of (A) 3 (B) 4 (C) 5 (D) 7 layers.
18. A (A) app (B) code (C) driver (D) kernel is a small program that tells the operating system how to communicate with a specific device.
19. In data network, a/an (A) DHCP (B) DNS (C) PPT (D) Web server is used for mapping IP address and host name.
20. The (A) RFID (B) WLAN (C) microwave (D) Bluetooth technology is widely used for wireless speaker.
21. In TCP/IP protocol suit, packet routing is the function of (A) data link (B) network (C) transport (D) application layer.
22. Which of the following is not the function for the TCP transmission on transport layer? (A) error correction (B) error detection (C) flow control (D) congestion control.
23. In TCP/IP protocol suit, the data link layer is responsible for (A) process-to-process (B) end-to-end (C) host-to-host (D) hop-to-hop delivery.
24. When a data packet moves from the upper to lower the lower layers, headers are (A) added (B) subtracted (C) rearranged (D) dropped.
25. Which of the following is not an operation system ? (A) iOS (B) Android (C) Linux (D) FireFox.
26. The number of bits for an IPv4 address is (A) 16 (B) 32 (C) 48 (D) 64.
27. The area of the hard drive used for virtual memory is called a (A) shared (B) boot (C) memory (D) swap file.
28. In Taiwan, the (A) RFID (B) WLAN (C) microwave (D) bluetooth technology is used for the electronic toll collection service.
29. An environment that provides resources and services accessed via the Internet is called (A) big data (B) artificial intelligence (C) cloud computing (D) Internet of Things.

背面有題，請繼續作答。

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30. The (A) artificial intelligence (B) blockchain (C) smart contract (D) financial engineering is the core technology for the implementation of FinTech.
31. The (A) augmented reality (B) virtual reality (C) video reality (D) image reality is a technology that layers computer-generated enhancements atop an existing reality in order to make it more meaningful through the ability to interact with it.
32. The maximum data rate of USB 3.0 is (A) 100 (B) 480 (C) 1000 (D) 5000 Mbps.
33. A (A) DoS (B) GoS (C) KoS (D) QoS attack is an assault whose purpose is to disrupt computer access to Internet services, such as web or email.
34. An web (A) candy (B) cookie (C) snack (D) pie is a small piece of data sent from a website and stored on the user's computer by the user's web browser while the user is browsing.
35. Memory cache can help speed the processes of a computer. Which type of the following is built on the motherboard? (A) L1 (B) L2 (C) L3 (D) L4.
36. Which one is not a feature of display quality? (A) resolution (B) response time (C) contrast ratio (D) transmission rate.
37. Which of the following video interfaces can include audio transmission? (A) D-sub (B) DVI (C) HDMI (D) VGA.
38. The (A) bar code (B) QR code (C) EPC code (D) PN code can be accessed via wireless technology.
39. A (A) router (B) firewall (C) switch (D) hub is hardware/software that protects a network's resource from intrusion by users on another network.
40. A central processing unit in general consists of two basic units: control unit and (A) arithmetic logic (B) bus (C) clock (D) storage unit.
41. Which one is not a machine cycle for executing an instruction in CPU? (A) controlling (B) decoding (C) fetching (D) storing.
42. The start-up instructions of a computer are in general stored in (A) RAM (B) ROM (C) flash memory (D) hard disk.
43. Which one is not a function of an operating system? (A) file (B) memory (C) device (D) anti-virus management.
44. Raspberry Pi is a/an (A) single-board computer (B) embeded system (C) computer perphial device (D) notebook.
45. Which one can be refered to as wireless Ethernet? (A) RFID (B) LTE (C) WiFi (D)

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Bluetooth.

46. The (A) object-oriented (B) procedure-oriented (C) artificial intelligent (D) structured query language is a popular language that allows users to manage, update, and retrieve data in a database system.
47. Which of the following languages can be executed without compiling? (A) Python (B) C (C) Java (D) C++.
48. Which of the following is not an OOP language? (A) Python (B) C (C) Java (D) C++.
49. 254 = (A) 0xEF (B) 0xEC (C) 0xFC (D) 0xFE.
50. When you click on a hypertext link while searching for information on the Web, you are automatically transferred to a specified (A) HTML (B) HTTP (C) SNMP (D) URL.