

立中央大學八十九學年度碩士班研究生入學試題卷

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題目皆單選，每題兩分 請以大寫英文作答

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1. "The Internet" is
 - A. the name of the computer network run by America Online.
 - B. the term people use to generally refer to computer networking.
 - C. owned and operated by the government.
 - D. the name of a computer network that ties together thousands of other computer networks.
 - E. what people are connected to when they "go online."
2. The CPU, and its input, output, and storage devices are collectively referred to as
 - A. software.
 - B. microcomputers.
 - C. hardware.
 - D. programs.
 - E. peripheral equipment.
3. Hardware consists of
 - A. storage media and the CPU.
 - B. programs.
 - C. data.
 - D. physical equipment.
 - E. only peripheral equipment.
4. Input to a computer system
 - A. is processed by the CPU.
 - B. consists entirely of data.
 - C. consists entirely of programs.
 - D. is referred to as hardware.
 - E. must always appear in the same form when it is output.
5. The control unit decodes an instruction
 - A. in a nanosecond.
 - B. in memory.
 - C. during the E-cycle.
 - D. before reading it.
 - E. during the I-cycle.
6. Parallel processing is defined as
 - A. two or more CPUs working together, simultaneously.
 - B. two or more CPUs working together, but not simultaneously.
 - C. two or more software packages working with each other on the same application.
 - D. the control unit and ALU processing working jointly.
 - E. cache memory.

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7. A character represented in computer storage is called a
- A. word.
 - B. bit.
 - C. byte.
 - D. megabyte.
 - E. parity bit.
8. Devices hook up to a single port, with a single plug, through which of the following standards?
- A. PCU
 - B. USB
 - C. ISA
 - D. VESA
 - E. MMX
9. MOST computers process data in which numbering system?
- A. decimal
 - B. hexadecimal
 - C. octal
 - D. binary
 - E. analog
10. The reason to use disk cylinders is
- A. direct access.
 - B. the need for backup files.
 - C. to make batch processing possible.
 - D. to allow laser beams to read the disk.
 - E. to reduce disk access time.
11. The time taken by a read/write head to move from one cylinder to another when reading or writing data is known as
- A. seek time.
 - B. rotational delay.
 - C. data movement time.
 - D. disk access time.
 - E. none of the above.
12. Of the following, the one with the smallest data-carrying capacity is the
- A. diskette.
 - B. Jaz disk.
 - C. CD-ROM optical disk.
 - D. Zip disk.
 - E. hard disk.
13. A computer system with six disk "drives" A, B, C, D, E, and F has probably had its hard disk
- A. partitioned.
 - B. sectored.
 - C. formatted.
 - D. put into high-density mode.
 - E. fragmented.

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14. Mathematically transforming a key field into a disk address is known as
- A. formatting.
 - B. selection.
 - C. hashing.
 - D. partitioning.
 - E. indexed processing.
15. Which organization method of those listed below uses a directory to facilitate access to records?
- A. direct
 - B. indexed
 - C. blocked
 - D. sequential
 - E. random
16. The technology that involves using several smaller disks to do the work of a larger disk is known by the acronym
- A. SCSI.
 - B. DAT.
 - C. EIDE.
 - D. CD-ROM.
 - E. RAID.
17. Bar codes are recognizable
- A. optically.
 - B. by the amount of ink present in them.
 - C. even by voice-output devices.
 - D. by their height.
 - E. with the use of a digitizing device.
18. Which of the following would most likely appear near the bottom of a screen or window?
- A. pull-down menu
 - B. horizontal scroll bar
 - C. vertical scroll bar
 - D. menu bar
 - E. dialog box
19. Preemptive multitasking is made possible by a technique known as
- A. multiprocessing.
 - B. multithreading.
 - C. multiprogramming.
 - D. fault-tolerant computing.
 - E. virtual memory.
20. The ability of an operating system to run two or more programs from any one user concurrently on one computer is called
- A. spooling.
 - B. linkage editing.
 - C. time-sharing.
 - D. multitasking.
 - E. virtual memory.

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21. In multiprocessing, several programs or program tasks are processed
- A. concurrently.
 - B. simultaneously.
 - C. in fixed-length time slices.
 - D. in resident microcomputers.
 - E. in fast-access disk areas.
22. Groupware is an example of
- A. voice mail.
 - B. workgroup computing.
 - C. transaction processing.
 - D. PBX technology at work.
 - E. electronic data interchange.
23. Infrared technology has gained popularity in recent years as a way to
- A. cut down static and interference in cellular-phone calls.
 - B. push speeds over fiber-optic cable.
 - C. provide faster speeds over the Internet.
 - D. carry out broadcasting in 18-inch-diameter satellite dishes.
 - E. set up wireless links between office devices.
24. Which of the following media typically has the smallest bandwidth?
- A. twisted-pair wire on dial-up lines
 - B. coaxial cable
 - C. fiber-optic cable
 - D. infrared
 - E. twisted-pair wire on dedicated lines
25. Which of the following alternatives represents speeds that progress from lowest to highest?
- A. NIC, T1 line, modem
 - B. modem, ISDN adaptor, T1 line
 - C. modem, fiber-optic backbone, NIC
 - D. T1 line, modem, fiber-optic backbone
 - E. coaxial cable, twisted-pair wire, infrared transmission
26. Content across the complete Internet is regulated by
- A. the Internet Society.
 - B. InterNIC.
 - C. the U.S. government.
 - D. a consortium of countries.
 - E. no one.
27. A company that posts pages on the World Wide Web is an example of a(n)
- A. user.
 - B. service provider.
 - C. content provider.
 - D. ISP.
 - E. software company.

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28. Java programs that are embedded into Web pages are called
- A. applets.
 - B. tags.
 - C. ActiveX containers.
 - D. modules.
 - E. subroutines.
29. The general term for product produced to complement the features of a word processor is
- A. complement processor.
 - B. add-on package.
 - C. reference shelf.
 - D. bibliographic database.
 - E. vendor checker.
30. Each worksheet is partitioned into rows and columns, which intersect to form
- A. grids.
 - B. cells.
 - C. workbooks.
 - D. control panels.
 - E. window areas.
31. In hierarchical and network DBMSs, the _____ sets up the database and manages its ongoing operation.
- A. data processing director
 - B. systems analyst
 - C. director of management information systems
 - D. database administrator
 - E. user
32. Which of the following represents a programming standard for information retrieval in relational databases?
- A. DML
 - B. SQL
 - C. DDL
 - D. CRT
 - E. DBMS
33. Coding involves
- A. planning the solution to a problem.
 - B. creating a program.
 - C. flowcharting pseudocode.
 - D. drawing a structure chart.
 - E. preliminary systems analysis.
34. Documentation should be provided for
- A. developers.
 - B. users.
 - C. equipment operators.
 - D. all key applications.
 - E. all of the above.

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35. Assembly language is an example of a _____ language.
- A. report-generation
 - B. fourth-generation
 - C. low-level
 - D. very-high-level
 - E. high-level
36. The three fundamental control structures do not include the _____ structure.
- A. DOWHILE
 - B. case
 - C. sequence
 - D. DOWNTIL
 - E. looping
37. The control structure used to represent a single condition having two possible outcomes is _____.
- A. looping.
 - B. selection.
 - C. case.
 - D. sequence.
 - E. iteration.
38. Buying new hardware or software to extend the life of one's current computer system is called _____.
- A. upgrading.
 - B. system design.
 - C. backup.
 - D. volatility.
 - E. technological obsolescence.
39. Muscular and visual problems associated with using display devices is a matter of _____.
- A. ethics.
 - B. computer crime.
 - C. ergonomics.
 - D. privacy.
 - E. cryptography.
40. The processing function in a computer system is performed by _____.
- A. the CPU.
 - B. the storage media.
 - C. the secondary storage device.
 - D. memory.
 - E. peripheral equipment.
41. The resolution of a display device _____.
- A. is wholly dependent on the size of the screen.
 - B. is measured by the density of pixels on the screen.
 - C. determines the speed of text processing.
 - D. is always SVGA or better.
 - E. is a way to describe its use as an image scanner.

參考用

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42. Near-photographic images can be produced with a(n)
- A. impact dot-matrix printer.
 - B. laser printer.
 - C. electrostatic plotter.
 - D. ink-jet printer or plotter.
 - E. thermal-dye-transfer printer.
43. Background programs that enable applications software to run on a computer system's hardware devices are called
- A. systems software.
 - B. proprietary software.
 - C. freeware.
 - D. productivity software.
 - E. shareware.
44. The use of computer systems to create illusion is the principal subject of which of the following fields?
- A. graphical user interfaces.
 - B. Microsoft Windows technology.
 - C. plug and play
 - D. radio buttons
 - E. virtual reality
45. The logical first step in developing a Web site is
- A. creating a home page.
 - B. finding out how much providers will charge you to host your site.
 - C. finding a good HTML programmer.
 - D. formulating a purpose, or goal, for the site.
 - E. promoting the site.
46. When designing Web pages, you should assume that
- A. people accessing your site are likely to have limited patience.
 - B. virtually everyone will use scroll bars.
 - C. the computer platforms of the people you are trying to reach will be able to display graphics images.
 - D. flashy displays will turn most people off.
 - E. the more hyperlinks you have on your pages, the better.
47. How a Web page will display depends upon
- A. the type of modem in use.
 - B. whether or not data moves at 28.8 kbps or 33.6 kbps over the phone lines.
 - C. software at the client site.
 - D. who the Internet presence provider is.
 - E. the search engine in use.
48. Pressing the Enter key in word processing results in _____ return.
- A. no
 - B. a soft
 - C. a hard
 - D. a null
 - E. a proportionally spaced

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49. The most important feature of a spreadsheet is its ability to
- A. word process.
 - B. summon COBOL when necessary.
 - C. sort dates.
 - D. integrate presentation graphics with data management.
 - E. recalculate cell contents quickly.
50. Computer crime can involve
- A. theft of financial assets.
 - B. altering data.
 - C. copying programs.
 - D. copying data.
 - E. all of the above.