

國立臺灣大學九十四學年度轉學生入學考試試題

科目： 計算機概論(B)

題號：52

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下列選擇題共 50 題，每題答對得 2 分，不答得 0 分，答錯倒扣 1 分，扣至總分零分為止。全部單選，請選擇最適當的答案。

※ 注意：請於試卷上「選擇題作答區」依序打「X」作答，否則不予以計分。

1. _____ is an etiquette for guiding online behavior. (A) cyber ethic (B) net-ethics (C) internetiquette (D) netiquette (E) none of the above.
2. A horizontal or vertical bar that appears along an edge of a window when the window is not large enough to display the entire content: (A) sliding bar (B) scroll bar (C) vertical bar (D) tool bar (E) none of the above.
3. A business or other organization that provides Internet access to others, typically for a fee: (A) ASP (B) Web site (C) ESP (D) search engine (E) none of the above.
4. An Internet service that allows multiple users to exchange written messages in real time: (A) BBS (B) chat room (C) Internet phone (D) discuss group (E) video conferencing.
5. The concentric rings on which data are stored on a diskette are called (A) loops (B) bands (C) sectors (D) tracks (E) partitions.
6. Partitioning can make a disk drive more efficient because: (A) the drive will use a smaller cluster (B) more data can be stored in the same amount of space (C) files that have been fragmented will be reorganized onto adjacent sectors (D) the disk will rotate at a faster speed (E) Partitioning can improve performance in all of the above ways.
7. The technology that involves using several small disks in place of one large disk to improve performance and/or provide fault tolerance is known by the acronym: (A) SCSI (B) EIDE (C) SAN (D) RAID (E) NAD
8. _____ describes a medium whose contents are erased when the power is shut off (A) erasability (B) non-volatile (C) volatile (D) flash (E) none of the above.
9. Monitors display images by lighting up dots called: (A) pits (B) bitettes (C) pixels (D) points (E) stars.
10. Which of the following tasks would be performed by application software? (A) translating commands into a form understood by the computer (B) defragmenting a disk (C) finding and diagnosing disk errors (D) managing your program files (E) none of the above.
11. The permissions given to a particular user by the network operating system are called his or her: (A) network permits (B) system authorities (C) administrative duties (D) access rights (E) log-on-signature.
12. The purpose of interleaved processing techniques is to: (A) increase the efficiency of the computer system (B) allow users to give commands by pointing to icons or buttons instead of typing command names (C) increase storage capacity by splitting a file so it can be stored in available clusters throughout the disk instead of requiring contiguous clusters (D) detect and repair errors that occur on the hard drive (E) automatically check for computer viruses any time a file is opened or a program is launched.
13. In virtual memory systems, RAM is extended with the use of: (A) spooling utilities (B) disk storage (C) cache (D) flash (E) an applications program.
14. Which of the following software allows companies to provide a personalized touch and customized services to its customers? (A) customer relationship management (B) consumer database management (C) consumer feedback service (D) consumer statistics software (E) none of the above.

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15. Which of the following device is aimed to replace bar code, and can be used to identify a piece of item via radio waves?(A) RIFD (B) 3D bar code (C) RFID (D) Genetic chip (E) Wi-Fi
16. The fundamental theory behind caching is (A) a file that is not used often is more likely to be used again (B) a file that has recently been used is likely to be used again (C) a file that has not been used for a long time is likely to be used again (D) a file that has not been used for a long time is likely not to be used again (E) a file that has recently been used is likely not to be used soon.
17. Which of the following is correct about domain name? (A) in US, the domain for businesses, and companies is 'co' (B) the top-level domain 'tv' is created for broadcast stations (C) the top-level domain for commercial organizations is 'org' (D) 'biz' is a new top-level domain created for small business and individuals (E) none of the above.
18. Which of the following is wrong about emails? (A) emails can deliver voice data (B) emails can deliver execution files (C) POP3 is a protocol for emails servers to deliver incoming emails to their clients (D) current email systems use SMTP to deliver emails in the Internet (E) all of the above are correct (choose this one only if none of the above can be chosen).
19. A utility program would typically be used to do which of the following? (A) manage the transfer of data between the CPU and peripheral devices (B) management of virtual memory (C) time-sharing (D) file compression (E) A utility program would do all of the above.
20. Which of the following types of software is not copyrighted? (A) public domain software (B) proprietary software (C) freeware (D) systems software (E) applications software
21. Which of the following is a site that allows millions of volunteer peers to help processing radio telescope signals to search for extraterrestrial life? (A) www.nasa.org (B) UFO@home (C) www.ET.org (D) SETI@home (E) Folding@home.
22. A software that enables professional designers to create sophisticated documents that contain text, graphics, and many colors is (A) Multimedia authoring tools (B) CAD (C) CBT (D) WBT (E) DTP
23. Taiwan's PC industry has taken a majority share of the world market in most PC components except (A) motherboard (B) hard drivers (C) power supplies (D) keyboards and mouse (E) network cards
24. Which of the following is wrong? (A) current CPUs have clock speed around 3GHz (B) current hard disks have capacity around 120GB (C) current memory installed in home PCs is around 256/512MB (D) current flash memory has size around 256/512MB (E) all of the above are correct (choose this one only if none of the above can be chosen).
25. MP3 is a process for: (A) buffering downloaded files so they can begin playing while the remainder is downloading. (B) compressing digital audio files. (C) encrypting confidential data, such a credit card numbers, during a online purchase. (D) restricting access to Web sites that users find objectionable (E) synchronizing video files with audio files.
26. A smart phone typically has the following capabilities except (A) Web-enabled (B) send and receive emails (C) built-in camera (D) play music (E) all of the above functions are included (choose this one only if none of the above can be chosen).
27. Which of the following device in digital camera senses analog image signals and then converts them to digital ? (A) DSP (B) zoom (C) DAD (D) CCD (E) DA
28. A security program that connects the intranet to external networks such as the Internet, and blocks unauthorized traffic from entering the intranet and can also prevent unauthorized employees from accessing the intranet is called a (A) security gate (B) firewall (C) firewall (D) file gate (E) censor.

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29. Which of the following is wrong? (A) public key encryption is also called asymmetric key encryption because the encryption and decryption use different keys (B) private key encryption is also called symmetric key encryption because the encryption and decryption use the same key (C) public key encryption scheme can be used for digital signature (D) PGP is used to secure email messages (E) all of the above are correct.
30. A mathematical function that generates a code from the content of a message so that different messages will likely to generate different codes, and it is very difficult to determine the content of the message given only the code is (A) two-way function (B) trashing (C) mash (D) hash (E) archival.
31. A record is comprised of related: (A) tables (B) fields (C) entries (D) DDLs (E) queries.
32. Filtering software is used to: (A) prevent copyrighted materials from being used in an unauthorized way (B) keep the Internet virus free (C) screen out objectionable Internet content (D) hide sensitive data, such as credit-card numbers, from eavesdroppers on the Web (E) divide messages into segments that are sent separately over a network.
33. HTML specifies how elements of a Web page should display by using: (A) tabs (B) quotes (C) tags (D) markers (E) frames.
34. The day after a company opened their Web site, they found that their order pages frequently became unavailable as the number of customers increased. They might have been able to prevent this problem if they had used a: (A) stress test (B) browser sniffer (C) simulation (D) weak test (E) capacity measure.
35. Which of the following is not an advantage of a DBMS? (A) reduce data redundancy (B) improve data integrity (C) ease of data management (D) ease of data query (E) all of the above are advantages.
36. Which of the following charts is commonly used to depict schedule deadlines and milestones? (A) Pi-chart (B) Bar chart (C) Gantt chart (D) Flow chart (E) Venn Diagram.
37. The second phase in the system development cycle is (A) Design (B) Analysis (C) Implementation (D) Planning (E) Support.
38. The collection and summarization of data and information, and includes reports, diagrams, programs, and other deliverables generated during the system development cycle is (A) project notebook (B) documentation (C) detailed analysis (D) project dictionary (E) data dictionary.
39. Which of the following is an advantage of e-commerce except (A) global market 24 hours per day (B) distribution costs for information is reduced or eliminated (C) ability to gather customer information, analyze it, and react (D) manufactures can buy and sell directly, avoiding the cost of the middleman (E) all of the above are advantages.
40. The term 24/7 is often used in connection with online stores because: (A) statistics have shown that 7 out of every 24 first-time visitors to a site return for a second visit. (B) this is the number of the federal regulation that controls taxation of sales over the Internet. (C) they are open 24 hours a day, seven days a week. (D) this is the protocol being developed by the Internet Society to standardize payment methods for Internet transactions. (E) they need to have only seven employees for every 24 needed by a brick-and-mortar store.
41. Operators of a(n) _____ generate revenue by selling products directly to consumers. (A) e-tailer (B) e-mall (C) market exchange (D) online payment service (E) All of the above.
42. A grocery store wants to identify the buying patterns of customers so it can maximize the effectiveness of its direct marketing campaign. Which of the following would be the most helpful to do this? (A) an extranet (B) groupware (C) a data warehouse (D) a value chain network (E) electronic data interchange.

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43. B2C businesses can be: (A) Internet-only stores (B) dot-coms (C) click-and-mortar stores with online and traditional storefronts. (D) All of the above (E) A and B only.
44. Today, most grocery stores use a scanner to input data about purchases to the cash register. This type of system is called: (A) a point-of-sale (POS) system. (B) computer aided design (CAD). (C) electronic data interchange (EDI). (D) enterprise resource planning (ERP). (E) scanned input-output (S/O).
45. The diamond shape in a program flow chart is used to represent a(n): (A) decision. (B) action to be taken. (C) beginning or end of a module. (D) meeting point for several paths. (E) input or output of data.
46. Instructions that are built into software by the original programmer as a way of gaining special access to particular parts of a computer system while developing the program and then not removed when the program is completed are called: (A) Trojan horses (B) trapdoors (C) viruses (D) program stubs (E) exit modules.
47. Which of the following is a reason many companies give for outsourcing? (A) The company does not have staff qualified to perform the task. (B) Outsourcing gives the company better control over how and when the tasks are performed. (C) Outsourcing provides increased security over the tasks. (D) All of the above are reasons for outsourcing. (E) None of the above is a reason for outsourcing.
48. The use of computers to simulate a real or imagined environment that appears as a three-dimensional space is called (A) Virtual Scene (B) Virtual Space (C) Cyberspace (D) Virtual Reality (E) 3D space.
49. The control unit of the CPU: (A) handles arithmetic but not logical operations. (B) is not found in microcomputers. (C) is the section of the CPU that directs the computer. (D) is a staging area for data being fetched from memory. (E) is located in the ALU.
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