國立臺北科技大學九十九學年度碩士班招生考試

系所組別：4420 服務與科技管理研究所乙組

第二節　計算機概論　試題

注意事項：
1. 本試題共五十題，每題兩分，配分共 100 分。
2. 請標明大題、子題編號作答，不必抄題。
3. 全部答案均須在答案卷之答案欄內作答，否則不予計分。

1. A complete URL does not contain which of the following?
   (A)protocol (B)server (C)path (D)author

2. Which of the following is used to design a program using English-like statement?
   (A)pseudocode (B)program flowcharts (C)control structures (D)structured walkthroughs

3. Which of the following is a WAN network connection point that enables users to access the WAN through a local phone call?
   (A)point of presence (B)leased line (C)permanent virtual circuit (D)frame relay

4. What are the terms spiders and crawlers most closely related to?
   (A)internet (B)modems (C)electronic news services (D)artificial intelligence

5. Which of following is an interactive computer program that helps users solve problems?
   (A)robot (B)perception system (C)expert system (D)natural language

6. You would use this type of Boolean operator to keep certain values out of the search results?
   (A)inclusion (+) (B)exclusion (-) (C)* (D)?

7. Which of the following groups perpetrate over 80% of information technology crime?
   (A)hackers (B)crackers (C)professional criminals (D)employees

8. Which of the following is used to support the making of tactical decisions?
   (A)transaction processing system (B)management information system (C)decision support system (D)executive information system

9. Which of the following describes the method of trying out a new system on a few users?
   (A)direct approach (B)parallel approach (C)phased approach (D)pilot approach

10. Which of the following is used to support all levels of management?
    (A)transaction processing system (B)management information system (C)expert system (D)decision support system

11. Which of the following is a disadvantage of database management systems?
    (A)cost issues (B)data redundancy (C)lack of program independence (D)lack of data integrity

12. Which of the following database organizations should you choose if you need to store photos?
    (A)object-oriented (B)network (C)relational (D) hierarchy

13. When a Web browser accesses a Web site, which page is displayed automatically?
    (A)directory page (B)home page (C)catalog page (D)development page

14. In the event of a hardware or software failure, which of the following approaches might you use to recover lost data?
    (A)mirroring (B)reprocessing (C)rollforward or rollback (D)all of the above

15. Which of the following isn't a feature of a DBMS?
    (A)sequential access storage (B)utilities (C)query language (D)data dictionary

16. What is the result of applying an encryption key to a message?
    (A)cybertext (B)decryption (C)ciphertext (D)plaintext

17. Which of the following database structures is similar to the hierarchy structure, except that a child record can have more than one parent record?
    (A)network (B)relational (C)object-oriented (D)file-management

18. Which of the following functions does communications software perform?
    (A)error correction (B)data compression (C)terminal emulation (D)all of the above

19. Which of the following enables different computers on different networks to communicate with each other?
    (A)modems (B)internet service provider (C)TCP/IP software (D)FTP

20. Which of the following network configurations always uses a central server?
    (A)bus (B)star (C)ring (D)hybrid

21. Which of the following do local area networks enable?
    (A)sharing of peripheral devices (B)sharing of programs and data (C)access to databases (D)all of the above

22. Which of the following would you use to search for and retrieve files stored on different computers?
    (A)FTP (B)Gopher (C)HTTP (D)HTML

23. Which of the following would you use to write files for the web?
    (A)FTP (B)Gopher (C)HTTP (D)HTML/XEML

24.Which of the following is considered a disadvantage of online storage?

(A)slow speed (B)safety (C)portability (D)price

25.Which of the following refers to the execution of two or more programs by multiple computers?

(A)multiprocessing (B)multitasking (C)time-sharing (D)multiprogramming

26.What do the terms partitioning, foreground/background, and queues relate to?

(A)disk management (B)file management (C)memory management (D)operation management

27.Which of the following are used to hold data and instructions that will be used shortly by the CPU?

(A)RAM chips (B)ROM chips (C)peripheral devices (D)cache memory

28.Which of the following alerts you when someone you know is online?

(A)client software (B)internet explorer (C)online services (D)instant messaging system

29.Which of the following coding schemes is widely used on microcomputers?

(A)EBCDIC (B)ASCII-8 (C)Unicode (D)Microcode

30.Which of the following is accessed when you switch on your computer?

(A)RAM chip (B)ROM chip (C)coprocessor chip (D)microprocessor chip

31.Which of the following can be used in portable computers to replace the hard disk?

(A)cache memory (B)video RAM (C)flash memory (D)ROM

32.Which of the following is used to measure processing speeds in supercomputers?

(A)MIPS (B)megahertz (C)flops (D)picoseconds

33.What does the acronym SDLC stand for?

(A)systems development life cycle (B)simple data linear compression (C)secondary dynamic life cycle (D)synchronous data line current

34.Prototyping is also known as which of the following?

(A)phased conversion (B)outsourcing (C)systems design (D)joint application development

35.One or more of the following make up a data file.

(A)characters (B)fields (C)records (D)BLOBs

36.Which of the following is the latest trend in database software?

(A)data warehousing (B)web-database integration (C)object-oriented design (D)standalone modules

37.A firewall usually protects a network from which of the following?

(A)smoke damage (B)unauthorized access through the internet (C)electronic funds transfer (D)buggy programs

38.An object-oriented database is well suited for which type of application?

(A)general application (B)horizontal application (C)financial application (D)multimedia application

39.Which of the following is a data processing system that handles an organization's day-to-day accounting needs?

(A)enterprise processing system (B)transaction processing system (C)batch processing system (D)online analytical processing system

40.What term describes a technique that is used to discover previously unknown patterns within data?

(A)data mining (B)data redundancy reduction (C)relational database (D)decision support system

41.Which of the following is a standard LAN component?

(A)network operating system (B)cabling system (C)network interface cards (D)all of the above

42.Which of the following deals with knowledge rather than information?

(A)executive support system (B)decision support system (C)expert system (D)knowledge management system

43.If a database contains the same information more than once, what is this an example of?

(A)data independence (B)data security (C)data integrity (D)data redundancy

44.Which of the following is a client program?

(A)hypertext (B)Internet address (C)Web browser (D)search engine

45.If a ZIP code is entered in a field intended for a phone number, which principle of good database design has been violated?

(A)data independence (B)data redundancy (C)data integrity (D)data security

46.What is JavaScript now known as?

(A)VBScript (B)LiveScript (C)NetScript (D)ECMAScript

47.A repetition control structure is also known as which of the following?

(A)selecting (B)looping (C)parsing (D)verifying

48.Assemblers, compilers, and interpreters are types of

(A)programming languages (B)language translators (C)alpha testers (D) application generators

49.Which of the following is a set of rules for creating markup languages that enable programmers to capture specific types of data by creating their own elements?

(A)XML (B)HTML (C)FORTRAN (D)COBOL

50.Which of the following is a rogue program disguised as a useful program that contains hidden instructions to perform a malicious task?

(A)trojan horse (B)worm (C)trap door (D)macro