

The 18th Vietnam Student Olympiad in IT
English Test
Duration: 30 mins

Test no: 3

True/False

Indicate whether the statement is true or false (defined that TRUE = T or A and FALSE = F or B).

- _____ 1. Routers work in a manner similar to the way mail is delivered.
- _____ 2. The standard port number for HTTP is 21, and for FTP it is 80.
- _____ 3. Web page design tools such as Microsoft Front Page or Macromedia Dreamweaver have made HTML obsolete.
- _____ 4. HTML is not case sensitive.
- _____ 5. A Web service is a server-based Web program that contains data to be used by other programs or Web pages.
- _____ 6. With the introduction of the semiconductor, both the cost and size of computers were reduced while speed and reliability were improved.
- _____ 7. The Internet is a network of networks.
- _____ 8. A user-friendly programmer's workspace is a high-level analogy for an Integrated Development Environment (IDE).
- _____ 9. Transistors are simply small electronic switches that can be in either an on or an off state.
- _____ 10. Interrupt handling is a much more efficient method for processing I/O than polling.

Multiple Choice

Identify the choice that best completes the statement or answers the question.

- _____ 11. In the fifth generation of electronic computing, modular approaches to coding, such as _____, facilitate larger, more complex, and more quickly and reliably delivered software products.
 - a. object-oriented programming
 - b. assembly programming
 - c. binary programming
 - d. machine programming
- _____ 12. A _____ network consists of computers that independently decide how to channel to the next computer.
 - a. centralized
 - b. distributed
 - c. monolithic
 - d. concentrated
- _____ 13. Which of the following technologies made electronic computing possible?
 - a. punch cards
 - b. reusable pins
 - c. keyboards
 - d. vacuum tubes
- _____ 14. Data _____ can be used to reduce the size of a file and speed the transmission of the file through e-mail.
 - a. compression
 - b. collaboration
 - c. design
 - d. inlining
- _____ 15. Text editors, compilers, and debuggers are directly featured on the menu of which of the following software tools?
 - a. desktop publisher
 - b. word processor
 - c. Integrated Development Environment
 - d. spreadsheet

- ____ 16. Graphics software available in the form of ____ is generally free of charge during a trial period.
- a. shareware
 - b. adware
 - c. malware
 - d. middleware
- ____ 17. In addition to redundant areas, ____ compression techniques eliminate information not perceptible to the human eye.
- a. lossless
 - b. primary
 - c. secondary
 - d. lossy
- ____ 18. A ____ tool is the most logical choice for the development of a slide show.
- a. presentation
 - b. spreadsheet
 - c. word processing
 - d. scheduling
- ____ 19. Creating documents, presentations, and spreadsheets are best classified as ____ tasks.
- a. programming
 - b. office
 - c. Internet
 - d. scientific
- ____ 20. The ____ server is just a computer that is programmed to respond to HTTP requests.
- a. Network
 - b. Protocol
 - c. Internet
 - d. Web
- ____ 21. ____ has been the Internet standard protocol for remote login to a UNIX host.
- a. FTP
 - b. HTTP
 - c. IMAP
 - d. Telnet
- ____ 22. The ____ protocol allows each computer to automatically be assigned an IP address each time it is started up.
- a. DHCP
 - b. FTP
 - c. HTTP
 - d. TCP
- ____ 23. The ____ is the leader of the team and is responsible for choosing the right players for the right positions.
- a. database administrator
 - b. project manager
 - c. client
 - d. programmer
- ____ 24. ____ is a software modeling process that enables system developers to create a blueprint showing the overall functionality of the program being engineered and provides a way for the client and the developer to communicate.
- a. SDLC
 - b. Scope creep
 - c. UML
 - d. Prototyping
- ____ 25. ____ determines whether the project is worth doing, and specifying the advantages and disadvantages of this application.
- a. Software specification
 - b. Project collaboration
 - c. Scope creep
 - d. Project feasibility
- ____ 26. ____ is the process of producing software applications.
- a. Database administration
 - b. Software engineering
 - c. UML
 - d. SDLC
- ____ 27. The term ____ is used to describe biological identification, such as fingerprints, voice dynamics, or retinal scans.
- a. biometrics
 - b. cookie
 - c. ergonomics
 - d. hacktivism
- ____ 28. A(n) ____ is a software program that can roam the Internet autonomously.
- a. cookie
 - b. digital certificate
 - c. honey pot
 - d. bot

- ____ 29. ____ are shortcuts into programs created by system designers to facilitate system maintenance but used and abused by crackers.
- a. Checksums
 - b. Heuristics
 - c. Backdoors
 - d. Bots
- ____ 30. A(n) ____ is a program that poses as an innocent program; some action or the passage of time triggers it to do its dirty work.
- a. Trojan horse
 - b. firewall
 - c. worm
 - d. virus
- ____ 31. ____ are the moral principles for judging right or wrong behavior held by an individual or group.
- a. Digital certificates
 - b. Laws
 - c. Ethics
 - d. Ergonomics
- ____ 32. A(n) ____ is someone or something that needs the program to perform a function or meet a need, and who determines the required functionality of the program.
- a. project manager
 - b. database administrator
 - c. end user
 - d. tester
- ____ 33. ____ determine the functions of the software and any constraints or requirements.
- a. Data dictionaries
 - b. Software specifications
 - c. Use cases
 - d. UMLs
- ____ 34. ____ describe a system's behavior from a user's standpoint.
- a. Classes
 - b. Objects
 - c. Use cases
 - d. States
- ____ 35. When you connect your computer to your ____ you become part of the Internet.
- a. DBA
 - b. IP
 - c. TCP
 - d. ISP
- ____ 36. So that packets do not keep bouncing from router to router forever, one of the fields in the IP header is the ____ field.
- a. time to live
 - b. time to expire
 - c. lifetime
 - d. expiration
- ____ 37. The problem of having to remember IP addresses was solved by allowing Web servers to have ____ names.
- a. range
 - b. locator
 - c. resource
 - d. domain
- ____ 38. HTML and the Web connect one page to another through ____.
- a. overlinks
 - b. higherjoins
 - c. hyperlinks
 - d. cyberbridges
- ____ 39. When you are diagramming and creating flowcharts, you are principally engaged in ____ tasks.
- a. programming
 - b. Web
 - c. network repair
 - d. office
- ____ 40. The 16.7 million color palette of the BMP format requires ____ bits.
- a. 16
 - b. 20
 - c. 24
 - d. 32