

The 19th Vietnam Student Olympiad in IT
English Test
Duration: 30 mins

Test no: 1

True/False

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

- _____ 1. The Von Neumann machine's operation is governed by a program loaded into memory.
- _____ 2. With the introduction of the semiconductor, both the cost and size of computers were reduced while speed and reliability were improved
- _____ 3. Most consumers asserted that the user-interface to DOS was intuitive.
- _____ 4. There is no universal software tool that can be applied to the entire spectrum of tasks
- _____ 5. A user-friendly programmer's workspace is a high-level analogy for an Integrated Development Environment (IDE).
- _____ 6. FTP transmission methods are appropriate for placing files in a common location so that many users can download and have access to them.
- _____ 7. The Boolean OR operator returns a 1 only when either or both of the inputs are 1.
- _____ 8. Interrupt handling is a much more efficient method for processing I/O than polling.
- _____ 9. Wireless networking uses the same technology as the radio in your car and the cell phone in your pocket.
- _____ 10. The computers attached to a network are often referred to as nodes.

Multiple Choice

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

- _____ 11. A _____ network consists of computers that independently decide how to channel to the next computer.
 - a. centralized
 - b. distributed
 - c. monolithic
 - d. concentrated
- _____ 12. The Macintosh had the first mass-produced _____, an interface that uses graphical instead of text commands.
 - a. SMP
 - b. MPP
 - c. GUI
 - d. ARPA
- _____ 13. File _____ Protocol (or FTP) is a transmission method used to send files across the Internet.
 - a. Task
 - b. Transfer
 - c. Test
 - d. Table
- _____ 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. Which of the following programming environments is actually a platform hosting a number of distinct languages?
 - a. Microsoft.NET
 - b. Borland JBuilder
 - c. Rhodes
 - d. CodeConqueror

- ____ 16. UML or Universal ____ Language diagrams are used to develop object-oriented systems and programs.
- a. Modeling
 - b. Markup
 - c. Middling
 - d. Master
- ____ 17. Graphics software available in the form of ____ is generally free of charge during a trial period.
- a. shareware
 - b. adware
 - c. malware
 - d. middleware
- ____ 18. The process of changing image format from one type to another is called ____.
- a. cropping
 - b. rotating
 - c. conversion
 - d. blurring
- ____ 19. Which of the following graphical formats should be favored for animation and small file size?
- a. BMP
 - b. JPG
 - c. TIF
 - d. GIF
- ____ 20. A ____ tool is the most logical choice for the development of a slide show.
- a. presentation
 - b. spreadsheet
 - c. word processing
 - d. scheduling
- ____ 21. When you are diagramming and creating flowcharts, you are principally engaged in ____ tasks.
- a. programming
 - b. Web
 - c. network repair
 - d. office
- ____ 22. ____ languages allow a Web page developer to include dynamic properties.
- a. Scripting
 - b. Hosting
 - c. Presentation
 - d. Staging
- ____ 23. The ____ server is just a computer that is programmed to respond to HTTP requests.
- a. Network
 - b. Protocol
 - c. Internet
 - d. Web
- ____ 24. 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
- ____ 25. The ____ protocol is used to provide the reliable and efficient transmission of data files.
- a. UDP
 - b. TCP
 - c. FTP
 - d. IP
- ____ 26. 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
- ____ 27. When you connect your computer to your ____ you become part of the Internet.
- a. DBA
 - b. IP
 - c. TCP
 - d. ISP
- ____ 28. A(n) ____ is a combination of symbols and text that provide a visual description of a process.
- a. class
 - b. flowchart
 - c. object
 - d. component
- ____ 29. ____ 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

- ____ 30. ____ determine the functions of the software and any constraints or requirements.
- a. Data dictionaries
 - b. Software specifications
 - c. Use cases
 - d. UMLs
- ____ 31. The ____ describes the life of the application, including all of the stages involved in the development, testing, installation, and maintenance of a program.
- a. SDLC
 - b. UML
 - c. SLC
 - d. DBA
- ____ 32. ____ is the process of producing software applications.
- a. Database administration
 - b. Software engineering
 - c. UML
 - d. SDLC
- ____ 33. ____ 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
- ____ 34. Transforming original data into coded data so that only authorized parties can interpret it is known as ____.
- a. authentication
 - b. packet filtering
 - c. piracy
 - d. encryption
- ____ 35. A(n) ____ is a software program that can roam the Internet autonomously.
- a. cookie
 - b. digital certificate
 - c. honey pot
 - d. bot
- ____ 36. ____ 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
- ____ 37. Based on low cost, available source code, and reputed reliability, which of the following operating systems presents the greatest competitive threat to Windows?
- a. Linux
 - b. OS/2
 - c. Star
 - d. Crescent
- ____ 38. The loose collection of networks called "the Internet" is the short form of which of the following words?
- a. internexus
 - b. interarpanet
 - c. internetwork
 - d. interconnect
- ____ 39. The ____ extension is one of the more popular compression formats in the world of Windows.
- a. .car
 - b. .bat
 - c. .zip
 - d. .exe
- ____ 40. ____ describe a system's behavior from a user's standpoint.
- a. Classes
 - b. Objects
 - c. Use cases
 - d. States