

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

Test no: 2

True/False

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

- _____ 1. A scalable system allows a company to add components as business and computing needs increase.
- _____ 2. IBM chose Microsoft to develop its PC operating system.
- _____ 3. The Internet is a network of networks.
- _____ 4. A variety of graphical formats supports the variety of images available on the Internet.
- _____ 5. In addition to text, e-mail software can be used to transfer photos and music files.
- _____ 6. Transistors are simply small electronic switches that can be in either an on or an off state.
- _____ 7. ROM (read-only memory) is not erased when the computer power goes off.
- _____ 8. The TCP/IP protocol lies at the heart of the Internet.
- _____ 9. The distinction between LANs and WANs is clear and well defined.
- _____ 10. 32-bit IP addresses will easily accommodate future demand for Internet identification numbers.

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. _____ involves dividing messages into blocks that can be reassembled at their destination, with each block possibly following a different path.
 - a. Multiplexing
 - b. Decoding
 - c. Packet switching
 - d. Linking
- _____ 13. Which of the following operating systems was developed jointly by IBM and Microsoft?
 - a. OS/2
 - b. Unix
 - c. Linux
 - d. NOS
- _____ 14. Which of the following technologies made electronic computing possible?
 - a. punch cards
 - b. reusable pins
 - c. keyboards
 - d. vacuum tubes
- _____ 15. The _____ extension is one of the more popular compression formats in the world of Windows.
 - a. .car
 - b. .bat
 - c. .zip
 - d. .exe
- _____ 16. A _____ is a collection of information usually organized into tables.
 - a. browser
 - b. publisher
 - c. multiplex
 - d. database
- _____ 17. 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
- _____ 18. _____ is a graphics tool popular with Web designers.

- a. Macromedia Fireworks c. Redux
b. Tron d. Starry Messenger
- ____ 19. To flip an image upside down, the user would ____ it 180 degrees.
a. scale c. resize
b. crop d. rotate
- ____ 20. In addition to redundant areas, ____ compression techniques eliminate information not perceptible to the human eye.
a. lossless c. secondary
b. primary d. lossy
- ____ 21. The 16.7 million color palette of the BMP format requires ____ bits.
a. 16 c. 24
b. 20 d. 32
- ____ 22. Grammar check and font selection are common features of which of the following tools? (choose the best answer)
a. word processor c. browser
b. text editor d. binder
- ____ 23. Creating documents, presentations, and spreadsheets are best classified as ____ tasks.
a. programming c. Internet
b. office d. scientific
- ____ 24. HTML and the Web connect one page to another through _____.
a. overlinks c. hyperlinks
b. higherjoins d. cyberbridges
- ____ 25. You can check the network configuration of your computer in Windows by using the _____ command.
a. IPSETUP c. NETWORK
b. IPCONFIG d. NETDESIGN
- ____ 26. _____ has been the Internet standard protocol for remote login to a UNIX host.
a. FTP c. IMAP
b. HTTP d. Telnet
- ____ 27. 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 c. lifetime
b. time to expire d. expiration
- ____ 28. The acronym HTTP stands for _____.
a. Heuristic Transport Type Protocol c. Hypertext Transfer Protocol
b. Hexadecimal Task Test Protocol d. Hypertext Transition Protocol
- ____ 29. A The ____ is the leader of the team and is responsible for choosing the right players for the right positions.
a. database administrator c. client
b. project manager d. programmer
- ____ 30. ____ describe a system's behavior from a user's standpoint.
a. Classes c. Use cases
b. Objects d. States
- ____ 31. In the ____ model of software development, the fundamental processes involved in creating the program are represented as phases. The output from each phase is used as the input to the next phase.
a. build and fix c. rapid prototyping
b. waterfall d. spiral

- ____ 32. ____ 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
- ____ 33. 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
- ____ 34. ____ is a catchall phrase for programs that sit on your computer, with or without your knowledge, observing your computer activities.
- a. Cookie
 - b. Encryption
 - c. Spyware
 - d. Social engineering
- ____ 35. The term ____ is used to describe biological identification, such as fingerprints, voice dynamics, or retinal scans.
- a. biometrics
 - b. cookie
 - c. ergonomics
 - d. hacktivism
- ____ 36. 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
- ____ 37. A ____ is an uninvited guest program on your computer with the potential to damage files and the operating system.
- a. proxy firewall
 - b. sniffer
 - c. virus
 - d. DMZ
- ____ 38. UML or Universal ____ Language diagrams are used to develop object-oriented systems and programs.
- a. Modeling
 - b. Markup
 - c. Middling
 - d. Master
- ____ 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 ____ 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