

The Vietnam Student Olympiad in IT – CANTHO UNIVERSITY 2011

English Test

Duration: 30 mins

Test no. 001

True/False

Indicate whether the statement is true or false.

- _____ 1. HTML tags enable the browser to display Web page content in a graphical, easy-to-read format.
- _____ 2. SQL sends only the data you want to view.
- _____ 3. The memory cells of an array may store different types of data.
- _____ 4. The maximum number of levels is called the height of a tree.
- _____ 5. The following code fragment is an example of an endless loop:
int iCount = 1;
while (iCount <= 5)
{
 System.out.println("I am on number " + iCount);
}
- _____ 6. Spiral prototyping starts with an initial pass using the waterfall model.
- _____ 7. The project manager is assigned the role of creating and maintaining the database structure.
- _____ 8. One rule of software engineering is that you should be realistic when defining project completion dates.
- _____ 9. The cost of manufacturing storage devices with no moving parts is considerably more than a conventional hard drive.
- _____ 10. The original Eniac computer occupied approximately 50 square feet of space.

Multiple Choice

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

- _____ 11. The process of changing image format from one type to another is called _____.
 - a. Cropping
 - b. Rotating
 - c. Conversion
 - d. Blurring
- _____ 12. Which of the following tools has the primary focus of enhancing a Web site?
 - a. Microsoft PowerPoint
 - b. Microsoft Project
 - c. Macromedia Flash MX
 - d. Borland Delphi
- _____ 13. _____ are characters that are used to match any character at the end of a file name to a particular file extension.
 - a. Deuces
 - b. Jokers
 - c. Aces
 - d. Wildcards
- _____ 14. Your Internet provider maintains a switching center called a _____.
 - a. Nexus
 - b. point-of-presence
 - c. cusp
 - d. receive-and-send
- _____ 15. The _____ protocol establishes a link from an e-mail client to a mail server.
 - a. SMTP
 - b. POP3
 - c. IMAP
 - d. HTTP

- ____ 16. The port number can be analogized to which of the following address components?
- street address
 - City
 - zip code
 - apartment number
- ____ 17. HTML and the Web connect one page to another through ____.
- Overlinks
 - Higherjoins
 - hyperlinks
 - cyberbridges
- ____ 18. ____ formats content for display in a browser and transfers information via the Web.
- SGML
 - XML
 - HTML
 - PHP
- ____ 19. Which of the following is a valid SQL clause for sorting returned rows of data?
- SORT BY
 - ORDER BY
 - ARRANGE BY
 - CLASS BY
- ____ 20. Which of the following can be classified as a data structure?
- Integer
 - Array
 - character
 - float
- ____ 21. In Java, which punctuation mark tells the computer that the end of the statement has been reached?
- Period
 - Colon
 - semicolon
 - comma
- ____ 22. A two dimensional array declared with size [3] [3] may contain how many elements?
- Three
 - Six
 - nine
 - sixteen
- ____ 23. Which of the following data structures adapts least efficiently to dynamic memory allocation.
- linked lists
 - Queues
 - stacks
 - arrays
- ____ 24. The computer logically organizes source code into ____ or groups of related computer commands that perform a task.
- Procedures
 - Functions
 - methods
 - routines
- ____ 25. In order to sort data you first need to create a(n) ____ that defines the process for sorting.
- List
 - Queue
 - stack
 - algorithm
- ____ 26. A(n) ____ is a program included with an executable application that acts as the translator between the program and the computer by converting program statements one by one into a language the computer understands.
- IDE
 - Interpreter
 - constructor
 - endless loop
- ____ 27. A(n) ____ is a program that reads all statements from a program and converts them into a computer language.
- Event
 - Object
 - compiler
 - control structure
- ____ 28. A(n) ____ resides between the lowest-level language and a higher-level language; it assigns letter codes to each machine language instruction.
- machine language
 - Constructor
 - class
 - assembly language
- ____ 29. A(n) ____ is a statement that associates an identifier with a variable.
- Attribute
 - endless loop
 - variable
 - declaration

- ____ 30. A(n) ____ is a self-contained entity that consists of both data and procedures.
- a. Constructor
 - b. Method
 - c. object
 - d. parameter
- ____ 31. ____ is the process of creating an object based upon a class.
- a. Inheritance
 - b. Concatenation
 - c. Instantiation
 - d. Variable initialization
- ____ 32. A(n) ____ is a special class function/method used for creating or instantiating an object.
- a. event handler
 - b. Constructor
 - c. expression
 - d. function
- ____ 33. With ____ tools are available that allow end users to work with prototypes of the screens and other interfaces.
- a. incremental development
 - b. rapid prototyping
 - c. build and fix
 - d. waterfall
- ____ 34. ____ 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
- ____ 35. 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
- ____ 36. The ____ is created by reviewing the screens and reports the end user would like included in the application and determining which fields are essential to the application.
- a. use case
 - b. data dictionary
 - c. class diagram
 - d. sequence diagram
- ____ 37. A(n) ____ is an amateur hacker that simply uses the hacking tools that have been developed by others.
- a. Cracker
 - b. reverse engineer
 - c. script kiddie
 - d. Trojan horse
- ____ 38. A(n) ____ occurs when a program tries to place more information into a memory location than it can handle.
- a. access attack
 - b. buffer overflow
 - c. virus attack
 - d. modification attack
- ____ 39. 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
- ____ 40. In order for a computer to emulate human behavior and reasoning, it needs to have the ability to ____.
- a. Walk
 - b. Talk
 - c. learn
 - d. hear