

Technology Management Midt term

Multiple Choice

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

1. _____ consists of computer equipment used to perform input, processing, and output activities.
 - a. Information technology
 - b. Technology infrastructure
 - c. Telecommunications
 - d. Hardware
2. _____ include(s) all the people who manage, run, program, and maintain the system, including the CIO, who manages the IS department.
 - a. End users
 - b. Hardware operators
 - c. Analysts
 - d. IS personnel
3. A common type of information system used in business organizations are those designed for _____.
 - a. electronic and mobile commerce
 - b. transaction processing
 - c. decision support
 - d. all of the above
4. A(n) _____ is an organized collection of people, procedures, software, databases, and devices that support problem-specific decision making.
 - a. TPS
 - b. MIS
 - c. DSS
 - d. Virtual reality system
5. _____ is a branch of artificial intelligence that allows computers to recognize and act on patterns or trends.
 - a. Vision systems
 - b. Neural networks
 - c. Robotic systems
 - d. Natural language processing
6. _____ helps determine what supplies are required for the value chain, what quantities are needed to meet customer demand, how the supplies should be manufactured into finished goods and services, and how the shipment of supplies and products to customers should be scheduled, monitored, and controlled.
 - a. customer relationship management
 - b. inventory management
 - c. demand planning
 - d. supply chain management
7. Each central processing unit consists of two primary elements: the arithmetic/logic unit and the _____ unit.
 - a. memory
 - b. input/output
 - c. control
 - d. ALU
8. _____ is the use of a collection of computers, often owned by many people or different organizations, to work in a coordinated manner to solve a common problem.
 - a. cloud computing
 - b. grid computing
 - c. parallel computing
 - d. none of the above
9. A(n) _____ uses computer servers, distributed storage devices, and networks to tie everything together.
 - a. digital video disk
 - b. virtual tape
 - c. storage area network
 - d. RAID storage device
10. The _____ is an advanced optical disk technology still in development that would store more data than even the Blu-ray optical disk system.
 - a. holographic versatile disc
 - b. virtual tape
 - c. RAID storage device
 - d. CD-ROM R/W

- _____ 11. _____ displays are flat displays that use liquid crystals to form characters and graphic images on a backlit screen.
- a. CRT
 - b. Plasma
 - c. OLED
 - d. LCD
- _____ 12. _____ is an open source operating system whose source code is freely available to everyone.
- a. Unix
 - b. Snow Leopard
 - c. Linux
 - d. Red Hat
- _____ 13. Literally thousands of programming languages have been developed, but only _____ are commonly used today.
- a. a couple
 - b. one dozen
 - c. a few dozen
 - d. a hundred or so
- _____ 14. The smallest piece of data used by a computer is the _____.
- a. terrabyte
 - b. field
 - c. character
 - d. bit
- _____ 15. A collection of fields about a specific object is a(n) _____.
- a. attribute
 - b. file
 - c. record
 - d. primary key
- _____ 16. Basic data manipulations include _____ which involves eliminating rows in a relational database.
- a. selecting
 - b. joining
 - c. projecting
 - d. linking
- _____ 17. _____ is a visual approach to developing database requests.
- a. Concurrency control
 - b. Query by example
 - c. Data definition language
 - d. Data manipulation language
- _____ 18. The _____ position is a non-technical position responsible for defining and implementing consistent principles for setting data standards and data definitions that apply across all the databases in an organization.
- a. data analyst
 - b. data administrator
 - c. database administrator
 - d. data owner
- _____ 19. A(n) _____ typically stores three to ten years of historical summary data records from many operational systems and external data sources so that it can be used for business analysis.
- a. organizational file
 - b. database
 - c. data warehouse
 - d. knowledge base
- _____ 20. A(n) _____ contains a subset of data for a single aspect of a company's business and are used by smaller groups who want to access detailed data for business analysis.
- a. OLTP database
 - b. data warehouse
 - c. data mart
 - d. data mine
- _____ 21. A database in which data can be spread across several smaller databases connected through telecommunications devices is called a(n) _____.
- a. data mart
 - b. distributed database
 - c. replicated database
 - d. data synchronization

- _____ 22. Companies such as IBM have developed _____ database systems to allow different databases to work together as a unified database system.
- a. Relational
 - b. Distributed
 - c. Replicated
 - d. Virtual
- _____ 23. Many utilities, cities, and organizations are experimenting with _____ to provide Internet access to homes and businesses over standard high-voltage power lines.
- a. DSL
 - b. Wi-MAX
 - c. 4G
 - d. BPL
- _____ 24. _____ is NOT a frequency commonly used for wireless communications.
- a. infrared
 - b. microwave
 - c. radio
 - d. ULF
- _____ 25. _____ is a wireless telecommunications technology brand owned by an alliance of 300 technology companies that is popping up at airports, coffee shops, college campuses, libraries, and restaurant.
- a. Wi-MAX
 - b. Wi-Fi
 - c. Sci-Fi
 - d. UWB
- _____ 26. _____ can support wireless communications at a rate of 70 Mbps between towers located up to 30 miles apart.
- a. Wi-Fi
 - b. Wi-Max
 - c. Bluetooth
 - d. Ultra wideband
- _____ 27. The RIM operating system is used in the _____ smartphone.
- a. Apple iPhone
 - b. Palm
 - c. BlackBerry
 - d. Android
- _____ 28. _____ blocks Internet content that it feels is subversive or threatening to "national unity."
- a. Ireland
 - b. China
 - c. United States
 - d. France
- _____ 29. _____ is a network protocol that enables traffic to be routed among all the networks connected to the Internet.
- a. ISO seven layer model
 - b. TCP
 - c. IP
 - d. Wi-Fi
- _____ 30. _____ is an object-oriented programming language from Sun Microsystems which allows small programs called applets to be embedded within an HTML document.
- a. XML
 - b. .NET
 - c. PHP
 - d. Java
- _____ 31. _____ is a valuable tool that enables you to find information on the Web by specifying words or phrases know as keywords, which are related to a topic of interest.
- a. Web browser
 - b. Search engine
 - c. Web portal
 - d. none of the above
- _____ 32. A(n) _____ can be used in an enterprise to enable the sharing of information between employees, training for new employees, or customer support for products.
- a. wiki
 - b. Web portal
 - c. Web analytics software
 - d. search engine optimization

Name: _____

ID: B

True/False

Indicate whether the statement is true or false.

- _____ 33. MISs typically provide standard reports generated with data and information from a TPS or ERP system
- _____ 34. According to Porter's five-forces model, the more these forces combine in any instance, the less likely firms will seek competitive advantage and the less dramatic the results of such an advantage will be.
- _____ 35. Today, companies are shifting from strategic management to performance-based management of their information systems and carefully consider both strategic advantage and costs.
- _____ 36. Information systems can help bring new products and services in less time thus reducing time to market.
- _____ 37. One of the primary advantages of a relational database is that it allows tables to be linked to reduce data redundancy and allow data to be organized more logically.
- _____ 38. One of the first steps in installing and using a large database involves "telling" the DBMS the logical and physical structure of the data and the relationships among the data for each user.
- _____ 39. Choosing which smart phones to purchase such as the Palm Pre, Blackberry Curve, and Apple iPhone 3 is extremely difficult because they are all nearly identical in terms of size, functions, and cost plus they can all run the same applications.
- _____ 40. With decentralized processing, processing devices are placed at various remote locations, but each device is isolated and does not communicate with any other device.