Ist practice cheat sheet

In a worksheet, the intersection of a row and a column is called a ____. a.

footer

b. table

c. pointer

d. cell (!)

With bitmapped images, the color of each ____ is represented by bits; the

more bits used, the better the image quality. a.

vector

b.

map

c. (!)

pixel

d.

byte

Some ____ must be added in pairs for optimal performance. a.

interfaces

b.

memory modules (!)

c.

USB ports

d.

hard drives

The ____ allows individuals to " placeshift" multimedia content from their home TVs and DVRs to their portable computer or mobile device. a.

Singmedia

b.

Slingbox (!)

c.

Shiftmedia

d.

Singbox

____ programs are software programs that are distributed on the honor system. a.

Commercial

b.

Shareware (!)

c.

Freeware

d.

Public domain

Case-Based Critical Thinking Questions

Case 16-1

Jack is a computer programmer who spends most of the day at his desk. Recently, he visited the doctor to get advice about persistent eyestrain and an aching back.

To combat his eyestrain, Jack's doctor advised him to ____.

a.

use a light touch on the keyboard

b.

use a lower screen resolution (!)

c.

use a footrest

d.

turn down the volume when using headphones

____ can be extremely distressing for victims, can take years to straighten out, and can be very expensive. a.

Remote access

b.

Identity theft (!)

c.

Spams

d.

Software theft

A ____ is equal to 1, 024 bytes. a.

kilobyte (KB) (!)

b.

megabyte (MB)

c.

gigabyte (GB)

d.

terabyte (TB)

External hard drives today typically connect to a computer via a USB or ____

port. a.

IrDA

b.

Bluetooth

c.

Firewall

d.

FireWire

The ____ implements regulations for unsolicited e-mail messages and lays

the groundwork for a federal Do Not E-Mail Registry. Selected Answer:

USA Patriot Act

Answers:

a.

Sarbanes-Oxley Act

b.

USA Patriot Act

CAN-SPAM act (!)

d.

Junk Fax Prevention Act

In a typical client-server database application, the client is called the ____.

Selected Answer:

Correcta.

front end

Answers:

front end (!)

b.

back end

c.

portal

d.

rear end

Case-Based Critical Thinking Questions

Case 14-2

The JL Group is a political think tank that is incorporating new media into their analyses.

The employees of JL Group who use the database of the company for their daily work, without having knowledge of how the underlying database is structured, interact with the database ____.

Selected Answer:

Correctc.

using the user interface

Answers:

a.

through the database designer

b.

through the database programmer

Correctc.

using the user interface (!)

d.

using the database script

Question 15

0 out of 1 points

Case-Based Critical Thinking Questions

Case 4-2

Lisa is a student who regularly uses the computers at her local Internet café

to listen to music, talk to her friends and family through the Internet, and play computer games.

The Internet café has recently enacted a new policy that says that all users must use the ____ attached to their computers when carrying out activities on the computer that will provide sound, so as to not disturb the other users.

Selected Answer:

Incorrect [None Given]

Answers:

a.

scanners

Correctb.

headphones (!)

c.

iPod docks

d.

speakers

A computer that is controlled by a hacker or other computer criminal is referred to as a ____. Selected Answer:

Correctd.

bot

Answers:

a.

client

b.

spider

c.

server

Correctd.

bot

A(n) ____ is an alternate location equipped with the computers, cabling, desks, and other equipment necessary to keep a business's operations going. Selected Answer:

Correctd.

hot site

Answers:

a.

buddy site

b.

white room

c.

alternate pad

Correctd.

hot site (!)

Most ____ programs are available to try free of charge, but typically a small fee is required to use the program regularly. Selected Answer:

Incorrectb.

freeware

Answers:

a.

public domain

b.

freeware

Correctc.

shareware (!)

d.

commercial

Case-Based Critical Thinking Questions

Case 2-2

Jack has a computer at home that he uses to access the Internet, store and edit personal photos, and create and edit documents. Recently, he has come to realize that in order to keep the computer performing at its best, he needs to carry out regular system maintenance on the computer.

Jack can use the ____ program to locate and delete temporary files, such as installation files, Web browsing history, and files in the Recycle Bin.

Selected Answer:

Incorrect [None Given]

Answers:

a.

Windows Registry

b.

Disk Defragmenter

c.

Temporary Files

Correctd.

Windows Disk Cleanup (!)

The bus width and bus speed together determine the bus's ____ or

bandwidth; that is, the amount of data that can be transferred via the bus in

a given period of time. Selected Answer:

Correctc.

throughput

Answers:

a.

machine cycle

b.

memory

Correctc.

throughput (!)

d.

clock speed

____ is a set of rules for exchanging data over the Web. Selected Answer:

Incorrecta.

MP3

Answers:

a.

MP3

Correctb.

XML (!)

c.

PDF

d.

CGI

Case-Based Critical Thinking Questions

Case 2-1

Jess is a musician who has just bought a new computer. Now she has to determine how to connect this computer to the devices that were connected to her old computer.

To connect her external hard drive where her music files are stored to the computer, Jess needs to use the ____ port.

Selected Answer:

Incorrect [None Given]

Answers:

Correcta.

USB (!)

b.

serial

c.

modem

d.

network

The ____ Web is a predicted evolution of the current Web in which all Web content is stored as if it were data in a database so that it can be retrieved

easily when needed to fulfill user requests. Selected Answer:

Incorrectc.

Central

Answers:

Correcta.

Semantic (!)

b.

Intelligent

c.

Central

d.

Knowledge

A company's ____ oversees routing transaction processing and information

systems activities, as well as other computer-related areas. Selected Answer:

Incorrectc.

chief data officer (CDO)

Answers:

a.

chief security officer (CSO)

Correctb.

chief information officer (CIO) (!)

c.

chief data officer (CDO)

d.

chief executive officer (CEO)

A computer ____ spreads by creating copies of its code and sending those

copies to other computers via a network. Selected Answer:

Correctd.

worm

Answers:

a.

virus

b.

hacker

c.

software

Correctd.

worm (!)

The ____ contains all data definitions for a database, including table

structures, security information, relationships between the tables in the

database, and so on. Selected Answer:

Correctb.

data dictionary

Answers:

a.

database book

Correctb.

data dictionary (!)

c.

data box

d.

data book

____, the most commonly used type of possessed knowledge, are secret

words or character combinations associated with an individual. Selected

Answer:

Correctb.

Passwords

Answers:

a.

Usernames

Correctb.

Passwords (!)

c.

PINs

d.

Codes

An inventory management system that goes beyond just inventory to act as

a complete distribution system is referred to as a ____ management system

(WMS). Selected Answer:

Correctb.

warehouse

Answers:

a.

warranted

Correctb.

warehouse (!)

c.

wireless

d.

world

External hard drives today typically connect to a computer via a USB or ____

port. Selected Answer:

Correctd.

FireWire

Answers:

a.

IrDA

b.

Bluetooth

c.

Firewall

Correctd.

FireWire (!)

The most common type of database used on PCs today is a(n) ____. Selected

Answer:

Incorrectc.

two-way database

Answers:

Correcta.

relational database (!)

b.

concurrent database

c.

two-way database

d.

one-dimensional database

With the _____, businesses sell goods or services to individual consumers.

Selected Answer:

Correctc.

business-to-consumer (B2C) model

Answers:

a.

business-to-business (B2B) model

b.

consumer-to-consumer (C2C) model

Correctc.

business-to-consumer (B2C) model (!)

d.

business-to-government (B2G) model

_____ is a software development approach that continues the programming

trend of breaking a software program into small and more manageable

pieces that overlap in functionality as little as possible. Selected Answer:

Incorrecta.

Object-Oriented Programming (OOP)

Answers:

a.

Object-Oriented Programming (OOP)

Correctb.

Aspect-oriented programming (AOP) (!)

c.

Structured programming

d.

Object Programming (OP)

Filenames typically include a ____ at the end of the filename. Selected

Answer:

Incorrectb.

file subname

Answers:

a.

file attachment

b.

file subname

Correctc.

file extension (!)

d.

file subscript

Charts are inserted into an Excel spreadsheet using the commands in the

Charts group on the ____ tab on the Ribbon. Selected Answer:

Incorrectd.

Data

Answers:

a.

Tools

Correctb.

Insert (!)

c.

Format

d.

Data

A ____ is a large screen computer either built into a table or designed to be used on a table and that allows multi-touch input from multiple users.

Selected Answer:

Correctc.

table PC

Answers:

a.

digitizing tablet

b.

touch coding system

Correctc.

table PC (!)

d.

tactile feedback screen

____ is a video format developed by Microsoft for use with Windows Media

Player. Selected Answer:

Correctd.

. wmv

Answers:

a.

. avi

b.

. mov

c.

. mp3

Correctd.

. wmv (!)

Antivirus programs are usually set up to automatically download new ____

from their associated Web site on a regular basis. Selected Answer:

Correcta.

threat definitions

Answers:

Correcta.

threat definitions (!)

b.

fraud tips

c.

virus reports

d.

viruses

____ is the process of gathering, storing, accessing, and analyzing data about

a company in order to make better business decisions. Selected Answer:

Correctb.

Business intelligence

Answers:

a.

Business flowchart

Correctb.

Business intelligence (!)

c.

System architecture

d.

Enterprise architecture

A USB ____ is a device that plugs into your PC's USB port to convert one port

into several USB ports. Selected Answer:

Incorrectc.

bus

Answers:

a.

module

Correctb.

hub (!)

c.

bus

d.

connector

A personal computer (PC) or ____ is a small computer system designed to be used by one person at a time. Selected Answer:

Correctc.

microcomputer

Answers:

a.

microchip

b.

small processor

Correctc.

microcomputer (!)

d.

processor

Smart cards and holographic drives are examples of ____ systems. Selected Answer:

Incorrectd.

artificial intelligence

Answers:

a.

Wi-Fi

Correctb.

storage (!)

c.

satellite

d.

artificial intelligence

Although many of us may prefer not to think about it, ____—the complete

malfunction of a computer system—and other types of computer-related

disasters do happen. Selected Answer:

Correctb.

system failure

Answers:

a.

interrupted power

Correctb.

system failure (!)

c.

spikes

d.

software piracy

Case-Based Critical Thinking Questions

Case 1-1

Sarah is a very active real estate agent. She is looking to purchase a new

computer and software so she can keep track of her client's accounts, access

the Internet from anywhere in the city, and touch-up photos of real estate

properties.

Sarah needs to store digital photographs of houses she is previewing. She needs to be able to copy these to the computer at her office. What type of storage device should she use?

Selected Answer:

Incorrectd.

firewire port

Answers:

a.

data projector

Correctb.

USB flash drive (!)

c.

scanner

d.

firewire port

____ is a specialized agency of the United Nations and attempts to resolve international commercial disputes about intellectual property between private parties. Selected Answer:

Correctb.

WIPO

Answers:

a.

OLPC

Correctb.

WIPO (!)

c.

USPTO

d.

DRM

____ are used for marketing purposes, such as sending advertisements that fit each individual's interests or trying to sign people up over the phone for some type of service. Selected Answer:

Correctb.

Marketing databases

Answers:

a.

Government databases

Correctb.

Marketing databases (!)

c.

Educational databases

d.

Research databases

One type of nonvolatile RAM, called MRAM, uses ____ polarization rather than an electrical charge to store data. Selected Answer:

Incorrectb.

magnetocharged

Answers:

a.

magnetobalanced

b.

magnetocharged

Correctc.

magnetic (!)

d.

magnetoselective

One factor affecting digital camera quality is the number of pixels, measured

in ____, used to store the data for each image. Selected Answer:

Correctb.

megapixels

Answers:

a.

kilopixels

Correctb.

megapixels (!)

c.

gigapixels

d.

terapixels

____ was originally developed as a programming language designed for

processing text. Selected Answer:

Incorrecta.

JavaScript

Answers:

a.

JavaScript

Correctb.

Perl (!)

c.

AJAX

d.

ActiveX

____ are useful for identifying procedures and summarizing the decision making process for one step of a system. Selected Answer:

Incorrecta.

Data dictionaries

Answers:

a.

Data dictionaries

b.

Feasibility reports

c.

Entity-relationship diagrams

Correctd.

Decision tables (!)

The ____ enables up to 127 devices to be connected to a computer through a single port on the computer's system unit. Selected Answer:

Correcta.

USB standard

Answers:

Correcta.

USB standard (!)

b.

HyperTransport bus

c.

AGP (Accelerated Graphics Port) bus

d.

PCI Express Bus

The file management program incorporated into Windows 8 is ____. Selected

Answer:

Incorrecta.

Disk Cleanup

Answers:

a.

Disk Cleanup

b.

StuffIt

Correctc.

File Explorer (!)

d.

WinZip

One of the properties that can be assigned to a field is a(n) ____ to specify

the format (such as letters, numbers, or symbols) that must be entered into

a field. Selected Answer:

Incorrectd.

format structure

Answers:

Correcta.

input mask (!)

b.

data filter

c.

data mask

d.

format structure

_____ have begun to replace ROM for storing system information, such as a

PC's BIOS. Selected Answer:

Correcta.

Flash memory chips

Answers:

Correcta.

Flash memory chips (!)

b.

Microprocessors

c.

Adapter cards

d.

Motherboards

Case-Based Critical Thinking Questions

Case 13-2

Kelly is a college sophomore majoring in computer science. She is interested in gaining exposure to the most useful and current programming languages and techniques.

One of the languages that Kelley is learning is ____ an object-oriented programming language that is commonly used to write Web applications.

Selected Answer:

Incorrectd.

Visual Basic

Answers:

a.

C

b.

COBOL

Correctc.

Java (!)

d.

Visual Basic

____ is the process of building the Web site, including developing all of the components to be used on the Web site, creating the actual Web pages, testing the site, and publishing the site. Selected Answer:

Incorrecta.

Web site design

Answers:

a.

Web site design

b.

Web site planning

Correctc.

Web site development (!)

d.

Web site deployment

Plasma displays use a layered technology like LCD and ____ and look similar to LCD displays. Selected Answer:

Correctc.

OLED

Answers:

a.

SED

b.

IMOD

Correctc.

OLED (!)

d.

PHOLED

Case-Based Critical Thinking Questions

Case 3-2

Rodney owns a computer that he uses to work, keep in touch with friends and family, watch movies, listen to music, and use the Internet.

If Rodney wants to be able to record, erase, and overwrite the files on a CD, he should get a ____.

Selected Answer:

Incorrectb.

CD-BD

Answers:

a.

CD-R

b.

CD-BD

Correctc.

CD-RW (!)

d.

CD-HD

The Windows ____ shown in the accompanying figure contains the following objects: Windows, Icons, Menus, Toolbars, Taskbar, Hyperlinks, Sizing buttons, and a Dialog box. Selected Answer:

Incorrectd.

command

Answers:

a.

general menu

Correctb.

desktop (!)

c.

toolbox

d.

command

For designing the layout of a Web page, ____ are commonly used when

designing animated components. Selected Answer:

Incorrecta.

page layouts

Answers:

a.

page layouts

b.

flowcharts

Correctc.

storyboards (!)

d.

plots

Conventional dial-up connects to the Internet at a maximum of ____. Selected

Answer:

Incorrectd.

128 Kbps

Answers:

a.

10. 2 Kbps

b.

28. 8 Kbps

Correctc.

56 Kbps (!)

d.

128 Kbps

____ identify users by a particular unique biological characteristic. Selected

Answer:

Correcta.

Biometric access systems

Answers:

Correcta.

Biometric access systems (!)

b.

Possessed object access systems

c.

Possessed knowledge access systems

d.

Password access systems

A ____ is a group of values and other data organized into rows and columns,

similar to the ruled paper worksheets traditionally used by bookkeepers and

accountants. Selected Answer:

Correctd.

spreadsheet

Answers:

a.

cell

b.

document

c.

block

Correctd.

spreadsheet (!)

A ____ holds a single category of data (such as customer names or employee telephone numbers) that will be stored in a database. Selected Answer:

Incorrectb.

record

Answers:

Correcta.

field (!)

b.

record

c.

cell

d.

table

A ____ is the smallest unit of data that a binary computer can recognize.

Selected Answer:

Incorrectb.

byte

Answers:

a.

datum

b.

byte

Correctc.

bit (!)

d.

pixel

The earliest programming languages—machine language and assembly

language—are referred to as ____. Selected Answer:

Incorrectb.

procedural programming languages

Answers:

a.

third-generation programming languages (3GLs)

b.

procedural programming languages

c.

interpreted languages

Correctd.

low-level languages (!)

A booming area of computer crime involves online fraud, theft, scams, and related activities collectively referred to as ____. Selected Answer:

Incorrectd.

e-scams

Answers:

a.

dot frauds

Correctb.

dot cons (!)

c.

e-cons

d.

e-scams

One of the most straightforward ways to improve the quality of the hits returned in a search is to use ____—essentially typing more than one keyword in a keyword search. Selected Answer:

Incorrecta.

character searching

Answers:

a.

character searching

b.

index searching

c.

code searching

Correctd.

phrase searching (!)

Print speed is typically measured in ____. Selected Answer:

Incorrectb.

dots per second (dps)

Answers:

Correcta.

pages per minute (ppm) (!)

b.

dots per second (dps)

c.

characters per second(cps)

d.

pixels per minute (ppm)

Popular drawing programs include ____ and CorelDRAW. Selected Answer:

Correcta.

Adobe Illustrator

Answers:

Correcta.

Adobe Illustrator (!)

b.

Harvard Graphics

c.

Corel Paint Shop Pro

d.

IBM Storyboard

____ memory allows you to use more memory than is physically available on your computer. Selected Answer:

Correctb.

Virtual

Answers:

a.

Multithreading

Correctb.

Virtual (!)

c.

Buffer

d.

Shared

____ refers to identifying the browser used by each visitor, typically via JavaScript code. Selected Answer:

Incorrectb.

Browser mapping

Answers:

a.

Personalization

b.

Browser mapping

c.

Visitor identification

Correctd.

Browser sniffing (!)

Case-Based Critical Thinking Questions

Case 7-2

Gabrielle is the network administrator at a medium-sized company. One of her responsibilities is to purchase network devices to maintain the company network.

Gabrielle is planning to connect selected devices to the network wirelessly with a wireless ____.

Selected Answer:

Incorrectb.

hub

Answers:

a.

hotspot

b.

hub

c.

data point

Correctd.

access point (!)

Adding to the problem of unethical ____ is the use of digital cameras today, which eliminate the photo negatives that could be used with film cameras to show what photographs actually looked like at the time they were taken.

Selected Answer:

Correctd.

digital manipulation

Answers:

a.

identity theft

b.

cybersquatting

c.

digital counterfeiting

Correctd.

digital manipulation (!)

Hollerith's machine was used to process the 1890 U. S. Census data and was able to complete the task in ____, instead of the decade it usually took to process the data by hand. Selected Answer:

Incorrectb.

four years

Answers:

a.

two months

b.

four years

Correctc.

two and a half years (!)

d.

six years

Antivirus programs are usually set up to automatically download new ____

from their associated Web site on a regular basis. Selected Answer:

Correctd.

threat definitions

Answers:

a.

virus reports

b.

viruses

c.

fraud tips

Correctd.

threat definitions (!)

There are independent Web sites (such as the ____ Web site) that report on

the validity of current online rumors and stories. Selected Answer:

Incorrecta.

Identifier

Answers:

a.

Identifier

b.

Phisher

Correctc.

Snopes (!)

d.

Spammer

Case-Based Critical Thinking Questions

Case 14-2

The JL Group is a political think tank that is incorporating new media into

their analyses.

The JL Group has gathered data on voting habits. In order to make sure that

respondents cannot claim to have voted in more elections than is possible

given their age, ____ rules can be assigned to the database tables.

Selected Answer:

Incorrectd.

index validation

Answers:

a.

dynamic

b.

DBA validation

Correctc.

record validation (!)

d.

index validation

In a 16. 8-million-color (called photographic quality or ____) image, three bytes (24 bits) are used to store the color data for each pixel in the image. Selected Answer:

Incorrectb.

mega color

Answers:

a.

real color

b.

mega color

c.

full color

Correctd.

true color (!)

Rearranging the data on the hard drive so all files are stored in contiguous locations is called ____. Selected Answer:

Incorrectb.

disk backup

Answers:

Correcta.

disk defragmentation (!)

b.

disk backup

c.

file compression

d.

disk cleanup

____ bring buyers and sellers together to facilitate transactions between the

two parties. Selected Answer:

Correctb.

Brokerage sites

Answers:

a.

E-tailers

Correctb.

Brokerage sites (!)

c.

M-Brokers

d.

Shop carts

Some ____ must be added in pairs for optimal performance. Selected Answer:

Incorrectb.

interfaces

Answers:

Correcta.

memory modules (!)

b.

interfaces

c.

hard drives

d.

USB ports

____ store checkout information in the customer's account for use with

purchases on that site only. Selected Answer:

Incorrectc.

Site-specific online payment accounts

Answers:

a.

Site-specific electronic check accounts

b.

Site-specific smart cards

c.

Site-specific online payment accounts

Correctd.

Site-specific digital wallets (!)

The most common flat-panel technologies include liquid crystal display

(LCD), various types of light emitting diode (LED), and ____. Selected Answer:

Incorrectb.

HDTV

Answers:

Correcta.

gas plasma (!)

b.

HDTV

c.

HD-integrated

d.

DVR

Case-Based Critical Thinking Questions

Case 7-2

Gabrielle is the network administrator at a medium-sized company. One of her responsibilities is to purchase network devices to maintain the company network.

Gabrielle is planning to connect selected devices to the network wirelessly with a wireless ____.

Selected Answer:

Incorrectc.

hotspot

Answers:

a.

hub

Correctb.

access point (!)

c.

hotspot

d.

data point

Ultraportables conforming to Intel's standards can be marketed as ____.

Selected Answer:

Incorrecta.

hybrids

Answers:

a.

hybrids

Correctb.

Ultrabooks (!)

c.

smallframe computers

d.

IntelBooks

Data definition involves describing the properties of the data that go into each database table, specifically the ____ that make up the database.

Selected Answer:

Incorrecta.

records

Answers:

a.

records

Correctb.

fields (!)

c.

characters

d.

rows

Program ____ use graphic symbols and relational operators (such as < for " less than" and = for " equal to") to portray the sequence of steps needed to fulfill the logic in that program, module, or method. Selected Answer:

Incorrectc.

pseudocode

Answers:

Correcta.

flowcharts (!)

b.

structure charts

c.

pseudocode

d.

models

Middleware for Web database applications is commonly written as ____— short sections of code written in a programming or scripting language that are executed by another program. Selected Answer:

Incorrectb.

JavaScripts

Answers:

Correcta.

scripts (!)

b.

JavaScripts

c.

applets

d.

utilities

Case 8-2

Brenda is a college student who enjoys downloading music, movies, and television shows from the Internet. She also uses the Internet for other entertainment, such as sports.

Brenda also orders movies and television through the Internet via a(n) ____ provider, which allows users to download video for a small fee.

Selected Answer:

Incorrectc.

RSS

Answers:

a.

VoIP

Correctb.

VOD (!)

c.

RSS

d.

blog

One advantage of a dial-up connection is ____. Selected Answer:

Incorrecta.

connection speed

Answers:

a.

connection speed

Correctb.

security (!)

c.

continuous availability

d.

sharing the connection

A(n) ____ is a form of protection available to the creator of an original artistic

or literary work, such as a book, movie, software program, musical

composition, or painting. Selected Answer:

Incorrectb.

patent

Answers:

a.

intellectual ownership right

b.

patent

Correctc.

copyright (!)

d.

trademark

One of the most common painting programs is _____. Selected Answer:

Incorrecta.

Adobe's Acrobat

Answers:

a.

Adobe's Acrobat

b.

IBM's Storyboard

Correctc.

Microsoft Paint (!)

d.

Macromedia's Dreamweaver

One measurement of the speed of a CPU is the _____, which is rated in

megahertz (MHz) or gigahertz (GHz). Selected Answer:

Incorrectb.

CPU rpm

Answers:

a.

system rpm

b.

CPU rpm

Correctc.

CPU clock speed (!)

d.

system speed

____ is increasingly being tied to crime and even death in some countries.

Selected Answer:

Incorrectc.

OLPC

Answers:

a.

CVS

b.

CAD

c.

OLPC

Correctd.

Internet addiction (!)

____ devices are designed to withstand much more physical abuse than

conventional devices. Selected Answer:

Correctd.

Ruggedized

Answers:

a.

Secured

b.

Malleable

c.

Flexible

Correctd.

Ruggedized (!)

Artificial intelligence systems that attempt to imitate the way a human brain

works are called ____. Selected Answer:

Incorrectb.

robots

Answers:

a.

biometric systems

b.

robots

c.

expert systems

Correctd.

neural networks (!)

RAID 0 uses disk ____, which spreads files over several disk drives. Selected

Answer:

Incorrecta.

mirroring

Answers:

a.

mirroring

b.

burning

c.

clustering

Correctd.

striping (!)

To record data, holographic storage systems split the light from a blue laser beam into ____ beams. Selected Answer:

Correcta.

two

Answers:

Correcta.

two (!)

b.

four

c.

five

d.

ten

A ____ is a separate piece of hardware containing multiple high-speed hard drives. Selected Answer:

Correctb.

storage server

Answers:

a.

storage drive

Correctb.

storage server (!)

c.

storage client

d.

storage base

In reaction to scandals, Congress passed the Sarbanes-Oxley Act of 2002, which includes provisions to require ____ to personally vouch for the truth and fairness of their company's disclosures. Selected Answer:

Incorrecta.

CEOs and CIOs

Answers:

a.

CEOs and CIOs

b.

CCVs and DRMs

Correctc.

CEOs and CFOs (!)

d.

SOAs and DRMs

____ are utility programs that search for documents and other files on a user's hard drives. Selected Answer:

Incorrectc.

Search engines

Answers:

Correcta.

Search tools (!)

b.

Tool boxes

c.

Search engines

d.

Tool programs

Like graphics data, ____—such as a song or the sound of someone speaking—

must be in digital form in order to be stored on a storage medium or

processed by a PC. Selected Answer:

Incorrecta.

pixel data

Answers:

a.

pixel data

Correctb.

audio data (!)

c.

giga data

d.

audio programs

Digital still cameras most often use ____ cards for storage. Selected Answer:

Incorrecta.

RAM memory

Answers:

a.

RAM memory

b.

ROM memory

c.

laser memory

Correctd.

flash memory (!)

____ have begun to replace ROM for storing system information, such as a

PC's BIOS. Selected Answer:

Incorrectb.

Motherboards

Answers:

a.

Microprocessors

b.

Motherboards

Correctc.

Flash memory chips (!)

d.

Adapter cards

Media that allow random access are sometimes referred to as ____ media.

Selected Answer:

Incorrectc.

nonidentifiable

Answers:

a.

optical

Correctb.

addressable (!)

c.

nonidentifiable

d.

identifiable

Java is currently one of the most popular programming languages and has replaced ____ as the programming language used for the computer science Advanced Placement exam taken by high school students to earn college credit. Selected Answer:

Incorrectb.

BASIC

Answers:

a.

Visual Basic

b.

BASIC

Correctc.

C++ (!)

d.

C

Case-Based Critical Thinking Questions

Case 6-2

Bryan has just started an internship in which he uses a database frequently. The database contains information about the company's employees. Bryan's supervisor senses that he is anxious about using the database and drops by to give him a short tutorial.

Bryan's supervisor explains that to retrieve information from the database, Bryan needs to use a ____.

Selected Answer:

Incorrectd.

formula

Answers:

a.

form

b.

presentation

Correctc.

query (!)

d.

formula

Similar to the way an IP address or domain name uniquely identifies a computer on the Internet, a ____ uniquely identifies a Web page. Selected Answer:

Incorrecta.

Web ID (WID)

Answers:

a.

Web ID (WID)

b.

universal resource identifier (URI)

Correctc.

uniform resource locator (URL) (!)

d.

Web resource identifier (WRI)

Case-Based Critical Thinking Questions

Case 12-2

Mother Goose Computing, Inc. provides computational biology consulting services. They are currently updating several of their systems.

For the protein folding division, Mother Goose is planning to implement the new system module by module. This is called a ____ conversion.

Selected Answer:

Incorrectd.

pilot

Answers:

a.

direct

b.

parallel

Correctc.

phased (!)

d.

pilot

Copyrights apply to both published and unpublished works and remain in effect until ____. Selected Answer:

Incorrecta.

10 years after the creation of the work

Answers:

a.

10 years after the creation of the work

b.

70 years after the creation of the work

c.

10 years after the creator's death

Correctd.

70 years after the creator's death (!)

Case-Based Critical Thinking Questions

Case 10-1

Smith Web Design is creating a secure Web site for a local doctor. In addition to providing basic information about her practice, she wants her patients to be able to log on and access their records, including images such as X-rays and MRIs.

After patients log on, they should be able to download scanned versions of their X-rays and MRIs. These images should be provided in the ____ format.

Selected Answer:

Incorrectd.

JPEG

Answers:

a.

GIF

b.

BMP

Correctc.

TIF (!)

d.

JPEG

One of the simplest hashing algorithms involves dividing the primary key field by a particular ____. Selected Answer:

Correctd.

prime number

Answers:

a.

irrational number

b.

power of two

c.

transcendental number

Correctd.

prime number (!)

The process of evaluating and correcting the structures of the tables in a

database to minimize data redundancy is called ____. Selected Answer:

Incorrectd.

cyclic redundancy check

Answers:

a.

zeroing

Correctb.

normalization (!)

c.

zonification

d.

cyclic redundancy check

____ keys on a keyboard are used for issuing commands in some programs.

Selected Answer:

Incorrectc.

Alphanumeric

Answers:

a.

Arrow

Correctb.

Function (!)

c.

Alphanumeric

d.

Number

____ account numbers are essentially disposable credit card numbers that can be used to buy goods and services that will be charged to the customer's regular credit card. Selected Answer:

Incorrectb.

Online

Answers:

Correcta.

Virtual (!)

b.

Online

c.

Temporary

d.

Prepaid

When Mary started college, her parents bought her a new computer that came with minimal software. She is now looking into purchasing additional software.

Mary needs word processing software for her classes, but she has to budget her resources carefully this semester. She might consider using ____, which is available as a free download via the Internet.

Selected Answer:

Correctb.

OpenOffice

Answers:

a.

WordPerfect Office

Correctb.

OpenOffice (!)

c.

Microsoft Office

d.

SmartSuite. org

In an expert system, the ____ is a software program that applies the rules to the data stored in the knowledge base in order to reach decisions. Selected Answer:

Incorrectd.

rules processor

Answers:

Correcta.

inference engine (!)

b.

knowledge bus

c.

data authority

d.

rules processor

There are four basic categories of software: commercial software, shareware,

freeware, and ____. Selected Answer:

Incorrectc.

licensed software

Answers:

Correcta.

public domain software (!)

b.

publish software

c.

licensed software

d.

advertising software

To prevent individuals from making unauthorized copies of feature films

purchased on DVDs or downloaded via the Internet, many of these items

contain copy protection or some other form of ____. Selected Answer:

Incorrectc.

RSI

Answers:

Correcta.

DRM (!)

b.

AACSB

c.

RSI

d.

patents

___ is a new alternative for homes and businesses today in areas where there is fiber optic cabling available all the way to the building.

S

elected Answer:

Incorrectc.

DSL

Answers:

Correcta.

BoF (!)

b.

ISDN

c.

DSL

d.

T1

Some wireless ____ are created by cities or large organizations to provide free or low-cost Internet access to residents of a particular area. Selected Answer:

Incorrectd.

LANs

Answers:

a.

WANs

b.

PANs

Correctc.

MANs (!)

d.

LANs

____ software can control which devices can be connected to an employee's

computer. Selected Answer:

Incorrecta.

Device authentication

Answers:

a.

Device authentication

Correctb.

Data-leakage prevention(!)

c.

Network quarantine

d.

Professional firewall

Phishing schemes may use a technique called ____, which is setting up

spoofed Web sites with addresses slightly different from legitimate sites.

Selected Answer:

Incorrectc.

identity theft

Answers:

a.

DoS attacks

b.

spamming

c.

identity theft

Correctd.

typosquatting (!)

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