

Exam

Name \_\_\_\_\_

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

- 1) The first function that computers perform is to receive \_\_\_\_\_ or information from the outside world. 1) \_\_\_\_\_

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 2) The most common input devices include: 2) \_\_\_\_\_  
A) printer and mice. B) mice and keyboards.  
C) monitors and keyboards. D) monitors and mice.
- 3) The storage area for the next likely data or instruction to be processed, preventing bottlenecks and slowing of the system, is known as: 3) \_\_\_\_\_  
A) the register. B) cache. C) the CPU. D) RAM.
- 4) Units that work together in the CPU include all EXCEPT: 4) \_\_\_\_\_  
A) the prefetch unit. B) the ALU.  
C) the decode unit. D) RAM.
- 5) Digital means that computer information is discrete and countable, subdivided into: 5) \_\_\_\_\_  
A) digits. B) input. C) analog units. D) bytes.
- 6) USB is: 6) \_\_\_\_\_  
A) only available on Macs. B) platform dependent.  
C) only available on PCs. D) platform independent.
- 7) A common storage device on mainframe computers but not common on PCs is a: 7) \_\_\_\_\_  
A) DVD. B) floppy drive. C) hard drive. D) tape drive.
- 8) A PDA is a handheld \_\_\_\_\_ computer. 8) \_\_\_\_\_  
A) pen B) trackball C) touchscreen D) touchpad

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- 9) To conduct long-distance meetings in various locations, all computers need \_\_\_\_\_ software and hardware. 9) \_\_\_\_\_

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 10) CD-RW stands for: 10) \_\_\_\_\_  
A) compact disc-rewritable.  
B) compact disc, read-only then write.  
C) compact diskette, read, write.  
D) compact diskette with random write capability.

- 11) The program that allows I/O devices to communicate with the computer is known as a(n): 11) \_\_\_\_\_  
 A) device driver. B) utility program.  
 C) software device file. D) operating device file.
- 12) Who owns the Windows operating system? 12) \_\_\_\_\_  
 A) Apple B) Microsoft C) Intel D) IBM
- 13) When reading a program, the CPU \_\_\_\_\_ instructions from the program. 13) \_\_\_\_\_  
 A) opens and reads B) runs and operates  
 C) fetches and executes D) executes and stores
- 14) On multi-user systems the \_\_\_\_\_ is responsible for authentication. 14) \_\_\_\_\_  
 A) large array of utility programs B) operating system  
 C) compiler D) ROM
- 15) Which software is free to use for a trial period, but requires some minimal payment after the trial period? 15) \_\_\_\_\_  
 A) graphics program B) database  
 C) freeware D) shareware
- 16) A1, C23, and BB20 are examples of: 16) \_\_\_\_\_  
 A) worksheet page numbers. B) database locators.  
 C) document cells. D) worksheet addresses.

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- 17) A user needs to create a(n) \_\_\_\_\_ when he or she wants to multiply the cost of a book by the quantity desired. 17) \_\_\_\_\_

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 18) Learning how to fly a jet through the use of a computer system is known as: 18) \_\_\_\_\_  
 A) virtual reality. B) a computer simulation.  
 C) a realistic simulation captivation. D) computer virtual space.

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- 19) If a word processed document is straight on the left margin but ragged on the right, it is \_\_\_\_\_.  
 \_\_\_\_\_.

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 20) A computer agent is designed to \_\_\_\_\_, as well as to respond to commands and notice user patterns. 20) \_\_\_\_\_  
 A) open necessary programs automatically B) ask questions  
 C) print information D) access Internet databases
- 21) A standard interface used to send commands between computers and musical instruments is: 21) \_\_\_\_\_  
 A) AAC. B) RealAudio. C) MIDI. D) Hypermedia.

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22) When using MIDI instruments, \_\_\_\_\_ is used to correct a musician's timing. 22) \_\_\_\_\_

23) The combination of CAD and CAM is called \_\_\_\_\_. 23) \_\_\_\_\_

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

24) Computer sounds can be synthesized or:  
A) animated. B) analoged. C) morphed. D) digitized. 24) \_\_\_\_\_

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25) \_\_\_\_\_ photographs, drawings, text, or company logos should not be used without permission from the creator. 25) \_\_\_\_\_

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

26) The process of \_\_\_\_\_ would be used when sending data from a database to a word processor so that mailing labels could be produced. 26) \_\_\_\_\_  
A) mining B) exporting C) querying D) sorting

27) When looking for a specific patient in a hospital's database, \_\_\_\_\_ is more efficient than browsing. 27) \_\_\_\_\_  
A) keying B) querying C) scrubbing D) surfing

28) An aspect of the USA Patriot Act is the requirement that when presented with appropriate warrants:  
A) companies must turn over their employees' military records.  
B) libraries must turn over their patrons' records.  
C) citizens must submit to lie detector tests upon request.  
D) foreigners must be fingerprinted when entering the U.S. 28) \_\_\_\_\_

29) In a customer database table, all of the information for one customer is kept in a:  
A) column. B) field type. C) field. D) record. 29) \_\_\_\_\_

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30) Data \_\_\_\_\_ uses artificial intelligence and statistical methods to find trends and patterns in data. 30) \_\_\_\_\_

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

31) The primary difference between a LAN and a WAN is the:  
A) variety of hardware devices. B) number of hardware devices.  
C) geographical area. D) number of software programs available. 31) \_\_\_\_\_

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

32) When a participant in a chat room represents himself using a cartoon character, he is using a(n) \_\_\_\_\_. 32) \_\_\_\_\_

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 33) A(n) \_\_\_\_\_ port is faster and more flexible than a traditional serial or parallel port. 33) \_\_\_\_\_  
A) server                      B) USB                      C) monitor                      D) peripheral
- 34) Standard telephone cables containing copper wires are known as \_\_\_\_\_ cable. 34) \_\_\_\_\_  
A) coaxial                      B) fiber-optic                      C) twisted pair                      D) Wi-Fi
- 35) The \_\_\_\_\_ stores data and software that can to be shared by several users. 35) \_\_\_\_\_  
A) client                      B) mainframe                      C) file server                      D) print server
- 36) A(n) \_\_\_\_\_ converts a message from digital to analog or from analog to digital. 36) \_\_\_\_\_  
A) Ethernet                      B) hub                      C) switch                      D) modem

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- 37) A computer \_\_\_\_\_ is a system where two or more computers are linked together. 37) \_\_\_\_\_

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 38) A port is a: 38) \_\_\_\_\_  
A) hardware device that allows connection to the Internet.  
B) socket that enables information to move in and out.  
C) peripheral device attached to a computer.  
D) virtual memory location.
- 39) NIC stands for: 39) \_\_\_\_\_  
A) network internal card.                      B) networking Internet connection.  
C) network interface card.                      D) newer industrial computer.

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

- 40) \_\_\_\_\_ is an encryption scheme providing security for data transmission on a wireless network. 40) \_\_\_\_\_

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 41) In the e-mail address bowles@sou.edu, "sou" is the: 41) \_\_\_\_\_  
A) host computer in an educational domain.  
B) client computer in a commercial business.  
C) client computer in an educational domain.  
D) host computer in a business with the name "sou."
- 42) All of the following are disadvantages of a DSL connection EXCEPT: 42) \_\_\_\_\_  
A) It is only offered in some areas.  
B) It cannot share signals with a telephone line of voice traffic.  
C) It can be complicated to install.  
D) It is fairly expensive.

- 43) A URL can specify the IP address of the Web \_\_\_\_\_ that houses a Web page. 43) \_\_\_\_\_  
 A) server B) e-mail recipient  
 C) client D) page
- 44) The protocol used to transfer Web pages is: 44) \_\_\_\_\_  
 A) ftp. B) http. C) the path. D) url.
- 45) A university might have a(n) \_\_\_\_\_ to manage the mail of students, faculty, and staff. 45) \_\_\_\_\_  
 A) bridge B) client server  
 C) email server D) email and URL address
- 46) The most common passwords in the U.S. or Britain include all EXCEPT: 46) \_\_\_\_\_  
 A) God. B) Fred. C) love. D) 123.
- 47) Hackers who hijack legitimate Web sites and redirect users to other sites are called: 47) \_\_\_\_\_  
 A) Trojan horses. B) denial of service attackers.  
 C) webjackers. D) hackers.

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- 48) A survey by eMarketer.com found that \_\_\_\_\_ are the most frequently cited online 48) \_\_\_\_\_  
 fraud cases.

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 49) Software programs that close potential security breaches in an operating system are known as: 49) \_\_\_\_\_  
 A) security breach fixes. B) refresh patches.  
 C) security patches. D) security repairs.

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- 50) Match the acts and centers with their purposes: 50) \_\_\_\_\_
- |   |   |
|---|---|
| I. Computer Fraud and Abuse Act<br>Janet          | A. created by Attorney General<br>Reno in 1998  |
| II. USA Patriot Act                               | B. defines what kinds of<br>communications are legal online                           |
| III. Digital Millennium Copyright Act             | C. created in 2001 as a response<br>to the terrorist attacks of<br>September 11, 2001 |
| IV. Telecommunications Act of 1996                | D. provides instant information on<br>crimes and criminals                            |
| V. Communications Decency Act                     | E. declared unconstitutional by<br>the Supreme Court                                  |
| VI. National Infrastructure Protection Center     | F. created as a result of the<br>first headline-making worm                           |
| VII. National Crime Information Center<br>product | G. used to arrest a student for<br>writing to crack an Adobe                          |

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

51) Several employees sharing their calendars and working together on a training manual is a good use of: 51) \_\_\_\_\_  
A) groupware. B) newsgroup software.  
C) Internet Relay Chat. D) group think.

52) \_\_\_\_\_ accounts for the most online sales. 52) \_\_\_\_\_  
A) C2C B) B2B C) B2C D) C2B

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53) A(n) electronic \_\_\_\_\_ is a workplace where employees experience poor working conditions, low wages, and repetitive stress injuries. 53) \_\_\_\_\_

54) When a job is automated so that it requires less skill, it has been \_\_\_\_\_. 54) \_\_\_\_\_

55) \_\_\_\_\_ is the use of computer communications to facilitate medical practice outside the hospital. 55) \_\_\_\_\_

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

56) An information system that supports international business activities is called a(n): 56) \_\_\_\_\_  
A) International information system. B) Internet supplier system.  
C) EDI. D) EIS.

57) When a company develops a new product that competitors have difficulty imitating, that company has created a(n): 57) \_\_\_\_\_  
A) entry barrier. B) competitive advantage.  
C) switching cost mechanism. D) high efficiency quota.

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58) \_\_\_\_\_ is the direct, computer-to-computer exchange of standard business transaction documents. 58) \_\_\_\_\_

59) The ethical guideline, \_\_\_\_\_, states, "When deciding on an action, assume the worst possible consequence and act accordingly." 59) \_\_\_\_\_

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

60) A(n) \_\_\_\_\_ helps a manager make semistructured decisions by providing tools to help analyze information. 60) \_\_\_\_\_  
A) TPS B) ES. C) EDI D) DSS

61) The direct, computer-to-computer exchange of standardized, common business transaction documents between business partners, suppliers, and customers is: 61) \_\_\_\_\_  
A) ES. B) EIS. C) EDI. D) ERP.

- 62) A library information system using a database to revise information about inventory levels after a book is checked out is an example of: 62) \_\_\_\_\_  
 A) acquisition. B) storage and retrieval.  
 C) batch processing. D) EDI.
- 63) For a TPS, all of the following are action documents EXCEPT: 63) \_\_\_\_\_  
 A) packing lists. B) credit cards. C) bills. D) receipts.
- 64) Managers use all of the following to identify problems in a project EXCEPT: 64) \_\_\_\_\_  
 A) PERT diagram. B) CPM. C) Gantt chart. D) CSF.

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- 65) The third phase of information technology planning, \_\_\_\_\_, is the process of selecting the information system projects in which to invest time and money. 65) \_\_\_\_\_

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 66) All of the following are benefits of outsourcing IT services EXCEPT: 66) \_\_\_\_\_  
 A) able to retain fewer permanent employees.  
 B) lower payroll expenses.  
 C) employees develop more IT expertise.  
 D) able to hire the most talented individuals in the field.
- 67) To overcome the problem of "spaghetti code", \_\_\_\_\_ was developed: 67) \_\_\_\_\_  
 A) assembling B) compiling  
 C) structured programming D) extreme programming
- 68) In object-oriented programming, objects 68) \_\_\_\_\_  
 A) can only send messages. B) cannot be reused.  
 C) can only receive messages. D) contain both data and instructions.

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- 69) During system design, the systems analyst uses a(n) \_\_\_\_\_ with standard symbols to show the sequence of activities as well as the type of media or technology used in each step. 69) \_\_\_\_\_

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 70) A(n) \_\_\_\_\_ translates an entire program before passing it on to the computer for execution. 70) \_\_\_\_\_  
 A) compiler B) interpreter  
 C) parser D) syntax stabilizer
- 71) The functional requirements report documents the work done in the \_\_\_\_\_ phase. 71) \_\_\_\_\_  
 A) development B) design C) investigation D) analysis
- 72) When a software engineer attempts to prove the correctness of the program, he/she is using \_\_\_\_\_ techniques. 72) \_\_\_\_\_  
 A) beta testing B) program verification  
 C) prototype D) alpha testing

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73) A(n) \_\_\_\_\_ is a program that translates and transmits computer program statements one at a time. 73) \_\_\_\_\_

74) When converting to the new system, the \_\_\_\_\_ approach operates the old system along with the new system for a period of time. 74) \_\_\_\_\_

75) An integrated programming environment includes a text editor, a compiler, and a(n) \_\_\_\_\_ which locates and corrects errors. 75) \_\_\_\_\_

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

76) When a computer's speech sounds like that of a person, it is using: 76) \_\_\_\_\_  
A) synthetic language. B) speech synthesis.  
C) OCR technology. D) heuristics.

77) The main outcome of the early automatic language translation efforts was the realization that: 77) \_\_\_\_\_  
A) computers make fewer errors than humans.  
B) computers can accurately translate 99% of the text.  
C) computers are faster and more accurate.  
D) translation without understanding is impossible.

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

78) \_\_\_\_\_ computers are based on the properties of atoms and their nuclei and the laws of quantum mechanics. 78) \_\_\_\_\_

79) In factories, boring, dirty, or dangerous tasks are often done by \_\_\_\_\_ that use AI software. 79) \_\_\_\_\_

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

80) The British mathematician, \_\_\_\_\_ spent much of his life trying to answer the central question of artificial intelligence "Can machines think?" 80) \_\_\_\_\_  
A) Alan Kay B) Tim Berners-Lee  
C) Grace Murray Hopper D) Alan Turing