

INFORMATION TECHNOLOGY CONCEPTS (391)

—OPEN EVENT—

REGIONAL – 2015

DO NOT WRITE ON TEST BOOKLET

TOTAL POINTS _____ (500)

Failure to adhere to any of the following rules will result in disqualification:

- 1. Contestant must hand in this test booklet and all printouts. Failure to do so will result in disqualification.**
- 2. No equipment, supplies, or materials other than those specified for this event are allowed in the testing area. No previous BPA tests and/or sample tests or facsimile (handwritten, photocopied, or keyed) are allowed in the testing area.**
- 3. Electronic devices will be monitored according to ACT standards.**

No more than 60 minutes testing time

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Workplace Skills Assessment Program competition.

Identify the letter of the choice that best completes the statement or answers the question. Mark A if the statement is true. Mark B if the statement is false. (10 pts. each)

If you finish before the end of the 60 minutes testing, notify the proctor. Time may be a factor in determining the winner of the event of a tie.

1. A ___ is a personal computer similar in size and thickness to a notepad; a user uses a stylus or digital pen on a touch screen.
 - a. super computer
 - b. tablet PC
 - c. personal PC
 - d. PDA

2. ___ is a computer that accepts input directly onto an LCD screen rather than via a keyboard or mouse.
 - a. super computer
 - b. tablet PC
 - c. embedded computer
 - d. integrated computer

3. ___ is a type of printer which prints text and images by spraying tiny droplets of ink onto paper.
 - a. inkjet printer
 - b. dot-matrix printer
 - c. laser printer
 - d. thermal printer

4. Which of the following is an advantage of an inkjet printer?
 - a. good for high-volume printing
 - b. easily highlight over the printed text on paper
 - c. printing speed is the fastest compared to other printers
 - d. capable of printing vivid colors and best for printing pictures

5. Which of the following best describes a dot-matrix printer?
 - a. a printer that prints text and images by spraying tiny droplets of ink onto paper
 - b. an impact printer that produces text and graphics when tiny wire pins on the print head strike the ink ribbon
 - c. non-impact printers which can print text and images in high speed
 - d. pushes electrically heated pins against heat-sensitive paper

6. Which of the following would be best suited for scanning pictures?
 - a. Photo Scanner
 - b. Flatbed Scanner
 - c. Portable Scanner
 - d. ADF Scanner

7. ____ is defined as: “a global system of interconnected computer networks that use the TCP/IP protocol suite to serve billions of users worldwide.”
 - a. World Wide Web
 - b. Computer Network
 - c. Internet
 - d. ARPANET

8. Which of the following terms applies to all of the web pages for Amazon.com?
 - a. Top-level domain
 - b. Web site
 - c. Web site address
 - d. Web domain

9. Software such as Google Chrome and Mozilla Firefox are referred to as _____.
 - a. System software
 - b. Internet Browsers
 - c. Utility Software
 - d. Internet Tools

10. What type of telecommunication hardware allows you to access the Web?
 - a. Browser
 - b. Modem
 - c. FTP protocol
 - d. IRC

11. From this list, which of the following is the most current Operating System?
 - a. Windows 7
 - b. Microsoft 2013
 - c. Microsoft Windows 2010
 - d. Windows 8

12. Which of the following is *not* considered a word processor?
- Microsoft Word
 - Pages
 - Microsoft Publisher
 - Google Docs
13. In spreadsheet software, a function formula has two components and they are:
- Operand and operator
 - Multiplication and division
 - Numbers and cell reference
 - Absolute and relative values
14. A possible solution for a non-working printer is to check if the printer ____.
- is turned on
 - has paper
 - has a cable connected to the computer
 - all of the above
15. When purchasing software programs, you also purchase with the software a ____; this gives a single computer user the permission to use the program.
- Network license
 - User agreement
 - Service pack
 - Software license
16. ____ are applications without the need for a platform and do *not* require installation and are accessible by any modern browser.
- HTML5 applications
 - updates
 - web applications
 - online software
17. Another word for software is ____.
- interface
 - hardware
 - algorithm
 - program

18. A ____ is a program written to cause corruption of data on a computer.
- Worm
 - Logic bomb
 - Virus
 - Trojan horse
19. Phishing is a type of email ____.
- listing
 - controller
 - fraud
 - hardware
20. ____ software should always be running on a computer to protect data and programs from corruption or destruction.
- Biometrics
 - Firewall
 - Anti-Virus
 - Public Detection Intrusion
21. Which of the following defines a differential backup?
- Backs up all files since the last full backup
 - Backs up all the files that have changed since the last incremental or full
 - Backs up all files
 - Backs up all files since the last differential
22. Which of the following defines an incremental backup?
- Backs up all files since the last full backup
 - Backs up all the files that have changed since the last incremental or full
 - Backs up all files
 - Backs up all files since the last differential
23. What does VOIP stand for?
- Video Over Internet Protocol
 - Voice Over Internal Phones
 - Video On Internal Pipe
 - Voice Over Internet Protocol

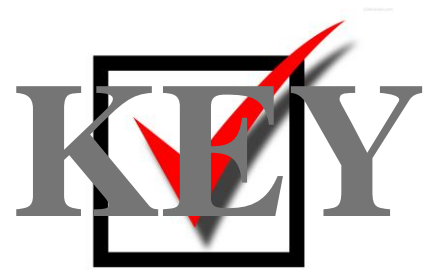
24. What does SIP stand for?
- a. Session Initiation Protocol
 - b. System In Progress
 - c. System Integration Plan
 - d. Session Internet Protocol
25. What does TCP stand for?
- a. Transmission Control Protocol
 - b. Transport Control Protocol
 - c. Transmission Communication Protocol
 - d. Transit Control Protocol
26. What does IP stand for?
- a. Internetwork Protocol
 - b. Internet Protocol
 - c. Internal Protocol
 - d. Intermission Protocol
27. What are the two different types of mice?
- a. Roller ball and optical
 - b. Laser and friction
 - c. Tactile and optical
 - d. None of the above
28. Which type of network media is subject to eavesdropping?
- a. Coaxial
 - b. Wireless
 - c. Fiber optic
 - d. Shielded twisted pair
29. What is software that self-installs on a computer, enabling information to be gathered covertly about a person's Internet use and passwords?
- a. Malware
 - b. Spyware
 - c. Virus
 - d. Trojan Horse

30. What is the protocol developed by Netscape used by websites to transmit documents securely across the Internet.
- HTTPS
 - SSL
 - TLS
 - IIS
31. Which of the following devices is used to connect multiple computers to the network where one wall jack is available?
- Network Router
 - Network Switch
 - Network Interface Card
 - Both A and B
32. What is software that is installed on a computer and is designed to mimic legitimate software and disables system software?
- Malware
 - Spyware
 - Virus
 - Rootkit
33. What is the transmission speed of a 100BaseT network?
- 1 Mbps
 - 10 Mbps
 - 100 Mbps
 - 1000 Mbps
34. Which of the following TCP/IP commands can be used to enter commands on a remote computer?
- ARP
 - Netstat
 - FTP
 - Telnet

35. Which network protocol is best suited for transferring files and data from one computer to the next?
- HTTP
 - FTP
 - NetBUI
 - AppleTalk
36. A(n) ____ is an instruction that causes a program or utility to respond to the user?
- window
 - icon
 - dialog
 - command
37. What utility would a technician use to view the current processing running on the system?
- Event Viewer
 - Task Manager
 - Disk Utility
 - System Monitor
38. Which of these types of computers would be a good choice for a salesperson who spends most of the day visiting customers?
- Mainframe computer
 - Network computer
 - Personal computer
 - Laptop
39. You have a customer data file that is approximately 45MB in size. You need to have fast access to any part of this file and to edit information that it contains frequently. Which of these storage devices would be most appropriate for storing this file?
- Zip disk
 - Floppy Disk
 - Flash Drive
 - Hard drive

40. Which of the following activities is permissible under copyright law?
- Downloading a bootleg copy of a new rock CD from the Internet
 - Making a backup of a software program as permitted by the EULA
 - Typing an article from a current magazine and making digital copies for your friends
 - Scanning photographs from a coffee-table book for use as computer wallpaper
41. Every computer connected directly to the network via cable or a phone line with at least one other computer is called a(n):
- Internet
 - Network Computer
 - World Wide Web
 - Gateway
42. What is the function of a firewall?
- To protect the computer from accessing inappropriate context
 - To protect the computer from releasing information on the Internet
 - To monitor and protect the computer from incoming and/or outgoing malicious traffic
 - To protect the internal data of the network by providing a second copy of data
43. Which of the following is an input device?
- Monitor
 - Printer
 - Scanner
 - Speakers
44. The physical parts of the computer are called:
- Software
 - Operating system
 - Hardware
 - Components

45. _____ is the hardware within a computer that carries out the instructions of a computer program by performing the basic arithmetical, logical, and input/output operations of the system.
- CPU
 - RAM
 - SDRAM
 - CD-ROM
46. Which of the following stores important information related to the starting of a computer?
- DRAM
 - CMOS memory
 - Cache memory
 - BIOS
47. What component of the computer converts AC to DC?
- Surge protector
 - UPS
 - Voltage regulator
 - Power supply
48. With respect to a network interface card, the term 10/100 refers to:
- Protocol speed
 - Fiber speed
 - Megabits per seconds
 - Minimum and maximum server speed
49. Missing slot covers on a computer case can cause?
- overheating
 - power surges
 - EMI
 - Incomplete path for ESD
50. Electrostatic Discharge (ESD) would cause the most damage to which component?
- Power supply
 - Motherboard
 - Monitor
 - Keyboard



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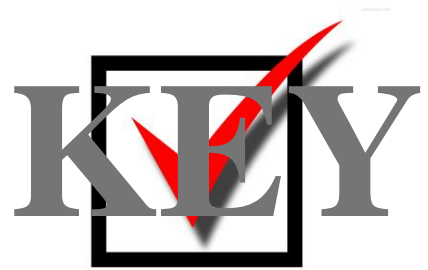
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TOTAL POINTS

_____ (*500 points*)

**Judge/Graders: Please double check and verify all
scores and answer keys!**

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Multiple Choice Questions - 10 points each

- | | |
|-------|-------|
| 1. B | 26. B |
| 2. C | 27. A |
| 3. A | 28. B |
| 4. D | 29. B |
| 5. B | 30. B |
| 6. A | 31. B |
| 7. C | 32. A |
| 8. B | 33. C |
| 9. B | 34. D |
| 10. B | 35. B |
| 11. D | 36. D |
| 12. C | 37. B |
| 13. A | 38. D |
| 14. D | 39. C |
| 15. D | 40. B |
| 16. C | 41. B |
| 17. D | 42. C |
| 18. C | 43. C |
| 19. C | 44. C |
| 20. C | 45. A |
| 21. A | 46. B |
| 22. B | 47. D |
| 23. D | 48. C |
| 24. A | 49. A |
| 25. A | 50. B |