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REGION X - NORTHERN MINDANAO

TECHNOLOGY AND LIVELIHOOD EDUCATION

GRADE 10: ICT -CSS

Directions: Read and understand the questions. Tick the letter of the correct answer on the screen.

1. Which tool is used to prevent ESD damage to computer equipment?

- A) Anti-static wrist strap
- B) Anti-static mat
- C) Electro-Static Discharge (ESD) Tools
- D) Diagnostic tools

2. Which tool is used to test the integrity of circuits and the quality of electricity in computer components?

- A) Multimeter
- B) Tweezers
- C) Anti-static wrist strap
- D) DLoopback Adapter

3. Which hand tool is used to driver to loosen and tighten bolts that have a hexagonal (six-sided) head?

- A) Needle-nose pliers
- B) Tweezers
- C) Phillips head screwdriver
- D) Hex driver

4. Is a device used to test the network connection

- A) LAN Tester
- B) Multimeter
- C) Loopback adapter
- D) Crimping Tool

5. Which cleaning tool is used to clean different computer components without scratching or leaving debris?

- A) Lint-free cloth
- B) Cable ties
- C) Compressed air
- D) Part retriever

6. Provides a standard set of switch and LED headers commonly found on ATX or micro-ATX cases.

- A. Front panel header
- B. Hard drive activity LED
- C. Power/sleep/message waiting LED
- D. Reset switch

7. Requires connecting pin 5 and 7 to a momentary contact switch that is normally open

- A. Hard drive activity LED
- B. Front panel header
- C. Reset switch
- D. Power/sleep/message waiting LED



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8. Connecting pins 2 and 4 to a single or dual-color
- A. Reset switch
 - B. Power/sleep/message waiting LED
 - C. Front panel header
 - D. Hard drive activity LED
9. Connecting pins 1 and 3 to a front panel mounted LED provides visual indication that data is being read from or written to the hard drive
- A. Hard drive activity LED
 - B. Reset switch
 - C. Power/sleep/message waiting LED
 - D. Front panel header
10. Connects to your computer's motherboard using an IDE interface or SATA interface
- A. Network Interface Card
 - B. External hard disk
 - C. Video card
 - D. Internal hard disk
11. What disk partition utility in Windows can be used to create a bootable USB?
- a) Rufus
 - b) Diskpart
 - c) ISO
 - d) RT Seven Lite
12. "Which command in Diskpart follows the command "active"?"
- a) list disk
 - "b) exit
 - c) clean
 - d) format fs=ntfs
13. What is the first step in creating a bootable USB using Rufus?
- a) Look for the Windows Image File (ISO) and select it
 - b) Click the Start button. When prompted with a Warning: ALL DATA... Click OK.
 - c) Right-click the Rufus Application then select Open to launch the program
 - d) Plug in the USB Drive to any USB Port in your personal computer.
14. "Which contains a disk image identical to the boxed product you would purchase at any software retailer?"
- a) Diskpart
 - b) Bootable device
 - c) Bootable Installation Package
 - d) ISO



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15. Which is NOT a possible use of a bootable USB flash drive?
- a) Use a recovery system to repair your PC
 - B) "Clean" reinstallation of the operating system
 - C) Store an image of the operating system
 - D) Use as an installer for applications
16. What does the Diskpart command "clean" do?
- A) It marks the current partition as active.
 - B) It assigns a drive letter to the USB flash drive.
 - C) It deletes all files from the USB flash drive.
 - D) It creates the main partition.
17. Which is NOT a requirement in making a bootable USB drive?
- A) Windows Diskpart
 - B) USB flash drive with at least 8 GB of storage
 - C) ISO image of the operating system
 - D) Antivirus
18. Bootable media is most often used to.
- A) recover an operating system that cannot start
 - B) back up sector-by-sector a disk with an unsupported file system
 - C) both A and B
 - D) install antivirus
19. Is physical media (CD, DVD, USB flash drive or other removable media supported by a machine BIOS as a boot device) that boots on any PC-compatible machine.
- A) Flash drive
 - B) Bootable Media
 - C) Storage Media
 - D) None of the above
20. It pertains to load the first piece of software that starts a computer
- A) Boot
 - B) Operating system
 - C) Storage Media
 - D) bootstraps
21. What is the correct sequence of diagram describes the operation of operating system?
- A) Hardware-Apps-User-OS
 - B) OS-User-Apps-Hardware
 - C) User-Apps-OS-Hardware
 - D) OS-User-Hardware-Apps



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22. It is a software program that enables a specific hardware device to work with a computer's operating system.

- A) Driver
- B) System software
- C) application software
- D) OS

23. It means the devices will work without requiring driver installation.

- A) Driver
- B) OS
- C) Operating System
- D) Plug n Play

24. it manages the computer' s memory, processes, and all of its software and hardware

- A) Operating System
- B) Software
- C) Windows 7
- D) Application Software

25. It lets you use your mouse to click on icons, buttons, and menus, and everything is clearly displayed on the screen using a combination of graphics and text

- A) CLI
- B) GUI
- C) OS
- D) Apps

26. Every time you conduct a test in your different tab of the DirectX Diagnostic tool, a _____ message is displayed in the Notes box.

- "A) Greetings "
- B)Warning
- C) Danger
- D) Restart

27. Which of the following displays in your device's memory and can tell you if your video driver has passed Microsoft's Windows Hardware Quality Labs testing standard?

- A) Sound
- B) Input
- C) Display
- D) Network

28. If you intend to open the DirectX diagnostic tool in the Run window, what certain word to type?

- A) dxdiag
- B) regedit
- C) msconfig
- D) dxtool

29. What will happen if wrong value data is entered in the edit string?

- A) There is no effect on the windows
- B) It creates Windows to malfunction
- C) The system is ignoring the data
- D) The editor will not proceed with any changes



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30. How to expand the folders in the Registry Editor?

- A) Click "O" to open
- B) Click File tab
- C) Click windows logo
- D) Click the expand arrow

31. What type of cable that have two or four pairs of wires?

- A) coaxial
- B) unshielded twisted pair/UTP
- C) shielded twisted pair/STP
- D) fiber optic

32. Which of the following is where each wire is wrapped in metallic foil to better shield the wires from noise?

- A) coaxial
- B) fiber optic
- C) UTP
- D) STP

33. Which of the following is not a coaxial cable type?

- A) thicknet (10Base5)
- B) RG-59
- C) RG-6
- D) Cat3

34. What type of cable is made of glass or plastic conductors that transmit information using light?

- A) fiber optic
- B) coaxial
- C) twisted pair
- D) shielded twisted pair

35. Refers to the concept of sharing work involved in processing data between the client computer and server computer.

- A) virtual private network
- B) windows server
- C) client/server network
- D) peer-to-peer network

36. What Ethernet cable is used to connect two devices directly?

- A) Cross-Over
- B) Straight-through
- C) both A and B
- D) None of the above

37. Which of the following is a number used to identify a device on a network?

- A) Default gateway
- B) DNS Server
- C) IP address
- D) subnet mask



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38. In which of the following IP addresses does 192.168.1.105 belong?

- | | |
|------------|------------|
| A) Class A | B) Class B |
| C) Class C | D) Class D |

39. What command is used to test the ability of the source computer to reach a specified destination computer?

- | | |
|-------------|-------------|
| A) Ipconfig | B) Msconfig |
| C) Ping | D) Regedit |

40. There are no dedicated servers or hierarchy in the computers

- | | |
|----------------------------|-------------------------|
| A) virtual private network | B) windows server |
| C) client/server network | D) peer to peer network |

41. It is a group of computer systems and other computing hardware devices that are linked together through communication channels to facilitate communication and resource-sharing among a wide range of users

- | | |
|---------------------|--------------------|
| A) Ethernet | B) Internet |
| C) Computer network | D) Wireless router |

42. Is a hybrid between a LAN and a WAN , it connects two or more LANs in the same geographic area

- | | |
|--------|--------|
| A) MAN | B) PAN |
| C) WAN | D) LAN |

43. It is a global system interconnected computer networks that use the standard Internet Protocol Suite (TCP/IP) to serve billions of users worldwide.

- | | |
|--------------------|-----------------|
| A) The Ethernet | B) The Internet |
| C) wireless router | D) VPN |

44. It is private network that is constructed within a public network infrastructure such as the global Internet.

- A) VPN (Virtual Private Network)
- B) Client/sever
- C) Category of network
- D) peer to peer network

45. Is a computer network that covers a broad area

- | | |
|--------|--------|
| A) PAN | B) LAN |
| C) SAN | D) WAN |



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46. In order to delegate permissions for a GPO, you must have the _____ permission for the GPO.
- A) Edit user, context, menu
 - B) Edit settings, delete, and modify security
 - C) Edit group, delete, modify user
 - D) none of the above
47. To create a GPO for a domain or an organizational unit, you use either the Active Directory Users and Computers console or the _____?
- A) Group Policy Maintenance Console
 - B) Domain Policy Maintenance Console
 - C) Group Policy Management Console
 - D) Active Directory Sites and Services Console
48. What types of permission are available on NTFS permissions within Windows Server?
- A) Read, write, and full control
 - B) Read, write, read and execute, modify
 - C) Read, write, read and execute, modify, full control
 - D) Read, write, full control, admin, guest
49. Which PowerShell cmdlet is used to create a new computer within Active Directory?
- A) New-ADComputer
 - B) New-ComputerObject
 - C) New-Object
 - D) New-Computer
50. When importing multiple users to Active Directory, this command also lets you modify or delete these objects.
- | | | |
|---------------|---|--------------------------|
| "A) dsadd.exe | " | B) ldifde.exe |
| C) csvde.exe | | D) Template user account |
51. You identify faulty materials during the inspection. What should you prioritize according to the competencies?
- A. Replace faulty materials in accordance with workplace procedures
 - B. Check the received materials against workplace standards and specifications
 - C. Record and/or report defects and any identified causes to the supervisor concerned in accordance with workplace procedures
 - D. Identify and isolate faulty materials related to work



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52. You receive a work instruction that conflicts with workplace standards for material quality. What competency guides your response in this situation?
- A. Obtain work instruction in accordance with standard operating procedures
 - B. Check the received materials against workplace standards and specifications
 - C. Identify and isolate faulty materials related to work
 - D. None of the above, consult with the supervisor
53. While checking the received materials, you find some defects that are not explicitly covered in the standard operating procedures. What competency helps you handle this situation effectively?
- A. Check the received materials against workplace standards and specifications
 - B. Identify and isolate faulty materials related to work
 - C. Record and/or report defects and any identified causes to the supervisor concerned in accordance with workplace procedures
 - D. Replace faulty materials in accordance with workplace procedures
54. Why is it important to obtain work instructions in accordance with standard operating procedures when assessing the quality of received materials?
- A) To ensure compliance with legal and regulatory requirements
 - B) To establish a unique selling proposition (USP)
 - C) To identify potential risks and challenges
 - D) To maintain consistency and quality in the work
55. What workplace standards and specifications should be considered when checking the received materials?
- A) Personal preferences and interests
 - B) Industry standards and regulations
 - C) Availability of resources and funding
 - D) Competitor analysis and market research
56. What is the significance of identifying and isolating faulty materials related to work?
- A) To minimize waste and reduce production costs
 - B) To ensure compliance with legal and regulatory requirements
 - C) To foster innovation and differentiation in the work
 - D) To maintain quality and safety in the work



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57. Why is it important to record and/or report defects and any identified causes to the supervisor concerned in accordance with workplace procedures?

- A) To establish a unique selling proposition (USP)
- B) To identify potential risks and challenges
- C) To maintain consistency and quality in the work
- D) To ensure compliance with legal and regulatory requirements

58. How can replacing faulty materials in accordance with workplace procedures contribute to maintaining quality in the work?

- A) It minimizes waste and reduces production costs
- B) It fosters innovation and differentiation in the work
- C) It ensures compliance with legal and regulatory requirements
- D) It eliminates potential hazards and risks

59. What role does continuous improvement play in planning and preparing for a task?

- A) It fosters innovation and differentiation in the work
- B) It helps identify potential risks and challenges
- C) It ensures compliance with legal and regulatory requirements
- D) It enables the identification of areas for improvement and optimization

60. How can applying required data security guidelines contribute to the successful completion of a task?

- A) It minimizes waste and reduces production costs
- B) It fosters innovation and differentiation in the work
- C) It ensures compliance with legal and regulatory requirements
- D) It eliminates potential risks of data breaches

61. Why is it important to follow client-specific guidelines and procedures when undertaking a task?

- A) To establish a unique selling proposition (USP)
- B) To identify potential risks and challenges
- C) To maintain consistency and quality in the work
- D) To ensure compliance with legal and regulatory requirements

62. What factors should be considered when selecting appropriate hardware and software for a task?

- A) Personal preferences and interests
- B) Industry standards and regulations
- C) Availability of resources and funding
- D) Competitor analysis and market research



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63. How does planning a task ensure that Occupational Health and Safety (OHS) guidelines and procedures are followed?
- A) It helps identify potential risks and hazards
 - B) It ensures compliance with legal and regulatory requirements
 - C) It fosters innovation and differentiation in the work
 - D) It maintains consistency and quality in the work
64. Which of the following actions is a part of entering data into a computer in accordance with company procedures?
- A) Typing information into any available software
 - B) Using an appropriate program/application specified by the company
 - C) Storing data without verification
 - D) Entering data at any time convenient to the employee
65. Why is it crucial to check the accuracy of information before saving it into the system in accordance with standard operating procedures?
- A) To delay the completion of tasks
 - B) To create redundancy in the system
 - C) To ensure the reliability and quality of stored data
 - D) To speed up the data entry process
66. Where should inputted data be stored in accordance with requirements?
- A) On any available storage media
 - B) In the most convenient storage device at hand
 - C) On storage media according to the company's requirements
 - D) In multiple storage devices simultaneously
67. What does performing work within ergonomic guidelines involve when inputting data into the computer?
- A) Ensuring compliance with safety protocols
 - B) Ignoring posture and comfort
 - C) Disregarding the workplace setup
 - D) Following guidelines to promote physical well-being and efficiency
68. Which step ensures proper data handling in accordance with standard operating procedures?
- A) Saving information without verification
 - B) Entering data without using a specified application
 - C) Checking the accuracy of information before saving
 - D) Storing data in any random storage media



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69. Why is it crucial to select the correct program/application based on job requirements?

- A) To use the most popular software available
- B) To comply with company procedures and enhance task efficiency
- C) To experiment with various programs for personal preference
- D) To solely rely on one program for all tasks

70. What is the importance of accessing the program/application containing the required information according to company procedures?

- A) It's unnecessary for efficient work
- B) To ensure consistency and follow security protocols
- C) To delay the completion of tasks
- D) To freely share information across unauthorized platforms

71. Which action is crucial for efficient and safe work when navigating using a computer desktop?

- A) Closing desktop windows immediately after opening them
- B) Selecting any program randomly without considering job requirements
- C) Complying with OHS requirements while managing desktop operations
- D) Leaving multiple desktop windows open for increased multitasking

71. How does carrying out keyboard techniques in line with OHS requirements benefit the user?

- A) It has no impact on user health and safety
- B) It speeds up work processes at the cost of user well-being
- C) It minimizes the risk of strain or injury while maximizing efficiency
- D) It's solely for conforming to random guidelines

72. Why is it crucial to adhere to OHS requirements when using keyboard techniques?

- A) To slow down the work process
- B) To reduce efficiency by following unnecessary rules
- C) To ensure the user's health and safety while working
- D) To complicate the navigation process

73. You've received a large dataset and need to organize it for a presentation. What action aligns with the competency of processing entered data using appropriate software commands?

- A) Reviewing the data without making any changes
- B) Using relevant software commands to sort, filter, and format the data
- C) Printing out the data for manual organization
- D) Transferring the raw data to another system as is



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74. Your team needs hard copies of a comprehensive report for an upcoming meeting. What aligns with the competency of printing out data as required using computer hardware/peripheral devices in accordance with standard operating procedures?

- A) Sending the report via email to all team members
- B) Printing the report in a manner that suits personal preferences
- C) Ensuring the report is printed using the designated printer and following formatting guidelines
- D) Using a variety of printers for the same report to save time

75. You're required to share a large file with a team member from a different department. What action aligns with the competency of transferring files and data between compatible systems using computer software, hardware/peripheral devices in accordance with standard operating procedures?

- A) Using an incompatible file format for sharing convenience
- B) Utilizing a secure and compatible method to transfer the file
- C) Sending the file via an unsecured cloud storage platform
- D) Transferring the file with a different name and format for easy identification

76. Your supervisor asks for a printed copy of a report. What action aligns with the competency of printing out data as required using computer hardware/peripheral devices in accordance with standard operating procedures?

- A) Delaying the printing process until the next day
- B) Printing the report in a format that differs from the standard set by the company
- C) Using the correct printer and ensuring the report is printed promptly and according to set guidelines
- D) Sending the report via email instead of printing

77. You need to share a presentation with a partner company. What action demonstrates the competency of transferring files and data between compatible systems using computer software, hardware/peripheral devices in accordance with standard operating procedures?

- A) Sending the presentation via a secure file-sharing platform compatible with both systems
- B) Sending the presentation without considering the compatibility of systems
- C) Printing the presentation and sending it via mail
- D) Converting the presentation to a file format that suits personal convenience



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78. You are tasked with researching the impact of climate change on coastal communities. What aligns with establishing information requirements for an internet search?

- A) Starting a search without clear objectives
- B) Identifying specific aspects of climate change and its effects on coastal regions
- C) Researching a broad range of unrelated topics
- D) Using only general keywords without a focused goal

79. You need to gather data on global economic trends for an upcoming presentation. What action aligns with the competency of loading a search engine?

- A) Directly entering the specific URL of a news website
- B) Opening any random website to search for global economic data
- C) Launching a search engine to find relevant economic trend information
- D) Skipping the search engine and relying solely on personal knowledge

80. You are researching the history of modern art movements. What action aligns with entering appropriate search criteria or a URL of a site?

- A) Entering broad terms like "art history" without specifying a particular era or movement
- B) Entering precise search terms like "modern art movements in the 20th century"
- C) Entering unrelated terms to explore various subjects
- D) Visiting random websites without entering any specific search criteria

81. You're researching renewable energy sources and want to explore reliable scientific studies. What action aligns with the competency of following relevant links to locate required information?

- A) Only clicking on the first few links presented in the search results
- B) Clicking on sponsored links that appear at the top of the search results
- C) Evaluating and clicking on links from reputable scientific journals and government websites
- D) Randomly clicking on links without considering their credibility

82. You're compiling a resource list for an upcoming project on environmental sustainability. What action aligns with the competency of bookmarking useful pages and printing as required?

- A) Avoiding bookmarking but printing every page that seems useful
- B) Bookmarking pages with credible and relevant information for future reference
- C) Printing pages without assessing their relevance to the project
- D) Neither bookmarking nor printing any pages



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83. Which of the following is not a good practice for ensuring the security of data?

- (A) Regularly backing up data
- (B) Encrypting sensitive data
- (C) Using strong passwords
- (D) Sharing passwords with others

84. Which of the following is not a good practice for virus protection?

- (A) Using antivirus software
- (B) Keeping antivirus software up to date
- (C) Running regular virus scans
- (D) Deleting all emails from unknown senders

85. Which of the following is the best way to protect your computer from viruses?

- (A) Use antivirus software and keep it up to date.
- (B) Be careful about what emails you open and what links you click on.
- (C) Don't download files from unknown sources.
- (D) All of the above.

86. Which of the following is the best way to protect your data from being lost or stolen?

- (A) Back up your data regularly.
- (B) Use strong passwords and keep them safe.
- (C) Encrypt sensitive data.
- (D) All of the above.

87. Which of the following is the best way to organize your files?

- (A) Create folders for different types of files.
- (B) Use descriptive file names.
- (C) Keep your files in a logical order.
- (D) All of the above.

88. Which action aligns with the competency of identifying objects or components to be measured?

- A) Choosing any random object in the vicinity
- B) Selecting objects without considering their relevance to the task
- C) Identifying specific objects or components based on job requirements
- D) Ignoring the need for specificity in measurement tasks



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89. A computer technician is configuring the BIOS to optimize system performance for a new graphics card. Which aspect of hardware requirements is the technician primarily addressing?

- A. Memory allocation
- B. Power consumption
- C. Compatibility with the motherboard
- D. Processor speed

90. When configuring the BIOS for a new hard drive, what hardware requirement should be considered to ensure proper functionality?

- A. Processor architecture
- B. Power supply capacity
- C. Hard drive interface and capacity
- D. Network adapter speed