

SET A

1. What is the common color for the USB 3.0 connector for Standard A receptables and plugs?

PARAPHRASE: *What color does the USB 3.0 connector for Standard A receptacles and plugs typically come in?*

- a. Black
- b. Blue**
- c. Red
- d. White

2. What type of memory used in the Solid-State Drive (SSD) as a storage?

PARAPHRASE: *What kind of memory is used as storage in Solid-State Drives (SSD)?*

- a. Dynamic Random Access Memory (DRAM)
- b. Flash Memory**
- c. Read Only Memory (ROM)
- d. Static Random Access Memory (SRAM)

3. It is originally, where the BIOS stored in a standard PC.

PARAPHRASE: *It used to be where the BIOS was kept on a typical PC.*

- a. Hard Disk Drive (HDD)
- b. Random Access Memory (RAM)
- c. Read Only Memory (ROM)**
- d. Solid State Drive (SSD)

4. _____ is a complete copy of everything stored on a physical optical disc.

PARAPHRASE: *A complete copy of everything on an optical disc is a _____.*

- a. Backup file
- b. ISO image
- c. Memory Map
- d. Stored File

5. What is the minimum requirement for hard disk drive capacity in Windows 10?

PARAPHRASE: *What is the minimum hard drive capacity required for Windows 10?*

- a. 16 GB for 32 bit-OS or 20 GB for 64-bit OS
- b. 20 GB for 32 bit-OS or 30 GB for 64-bit OS
- c. 20 GB for 32 bit-OS or 40 GB for 64-bit OS
- d. 30 GB for 32 bit-OS or 40 GB for 64-bit OS

6. Where do Windows device drivers store?

PARAPHRASE: *Where are the drivers for Windows devices kept?*

- a. Computer**
- b. Drivers and Settings
- c. Hardware
- d. Registry

7. What is the volt rating of the RED wire in a power supply?

PARAPHRASE: *What is the RED wire's volt rating in a power supply?*

- a. -5V
- b. +5V**
- c. -12V
- d. +12V

8. _____ is a network cable where one end is T568-A while the other is T568-B configuration.

PARAPHRASE: *A network cable with a T568-A configuration on one end and a T568-B configuration on the other is called _____.*

- a. **Cross-Over**
- b. Extreme
- c. Roll-Over
- d. Straight-thru

9. In Windows 7, when LAN connection has a cross and red indicator signifies that there is _____.

PARAPHRASE: *When the LAN connection in Windows 7 has a cross and a red light, there is an issue.*

- a. Emergency that needs attention
- b. LAN update
- c. Problem with the LAN driver
- d. Virus in the LAN

10. Which of the following hardware components can connect over a computer network?

PARAPHRASE: *Which of the aforementioned hardware elements is capable of connecting via a computer network?*

- a. Network Driver
- b. Network Hardware Card
- c. **Network Interface Card**
- d. Network Module Card

11. It is a networking device that forwards data packets between computer networks.

PARAPHRASE: *It is a networking tool that distributes data packets among computer networks.*

- a. Hub
- b. Patch Panel
- c. **Router**
- d. Wireless Access Point (WAP)

12. Wi-fi is a trademarked phrase, which means _____.

PARAPHRASE: *Wi-fi is a term that has been trademarked and denotes _____.*

- a. IEEE.801.11
- b. **IEEE.802.11**
- c. IEEE.803.11
- d. IEEE.804.11

13. _____ is a collection of devices connected together in one physical location.

PARAPHRASE: *A _____ is a group of devices arranged in a single space and connected to one another.*

- a. Campus Area Network (CAN)
- b. **Local Area Network (LAN)**
- c. Metropolitan Area Network (MAN)
- d. Wide Area Network (WAN)

14. A type of network that interconnects multiple local area network.

PARAPHRASE: *A network type that connects multiple nearby networks.*

- a. Campus Area Network (CAN)
- b. Local Area Network (LAN)
- c. Metropolitan Area Network (MAN)
- d. **Wide Area Network (WAN)**

15. A computer program used to prevent, detect, and remove possible threats to the system.

PARAPHRASE: *A computer application which protects against, discovers, and eliminates potential system risks.*

- a. **Anti-virus software**
- b. Defragment software
- c. Scandisk software
- d. Direct software

16. _____ is a two or more PCs are connected and share resources without going through a separate server computer.

PARAPHRASE: *When two or more PCs are linked together to exchange data without using a separate server computer, the term "_____ " is used.*

- a. Client server
- b. Local Area Network
- c. **Peer to Peer Network**
- d. Personal area Network

17. What IP address used by the virtual machine to communicate over the physical network?

PARAPHRASE: *What does the virtual machine communicate over the physical network? What IP address does it use?*

- a. Customer Address
- b. Internet Address
- c. **Private Address**
- d. Provider Address

18. What type of version that protects unauthorized network access by utilizing a set-up password?

PARAPHRASE: *What kind of version uses a predetermined password to avoid unwelcoming network access?*

- a. Temporal Key Integrity Protocol (TKIP)
- b. Wi-Fi Protected Setup (WPS)
- c. WPA2-Enterprise
- d. **WPA2-Personal**

19. _____ consist of the user matrices, and capability tables that govern the rights and privileges of users.

PARAPHRASE: *It consist of the capability tables and user matrices that control the rights and rights of users.*

- a. **Access control list**
- b. Statement of Policy
- c. Systems Management
- d. Systems-Specific Policy

20. It occurs when an attacker or trusted insider steals data from a computer system and demands compensation for its return.

PARAPHRASE: *When an attacker or a reliable insider steals data from a computer system and demands payment for its restoration, it takes place.*

- a. **Information Extortion**
- b. Malicious Code
- c. Theft
- d. Threat

21. It monitors the initial security accreditation of an information system for tracking of changes.

PARAPHRASE: *It keeps track of changes made to an information system's initial security accreditation*

- a. Configuration Management
- b. Continuous Assessment
- c. Measurement and Metrics
- d. Network Monitoring

22. What services in Windows Server that enables administrators to migrate data to a lower-cost and tape media on file servers?

PARAPHRASE: *What Windows Server services allow administrators to move data from expensive tape media to less expensive file servers?*

- a. Data compression Service
- b. File Screening Service
- c. Remote Storage Service
- d. Volume shadow Copy Service

23. What Application group that contains a Client Access Point and with at least one application specific resource?

PARAPHRASE: *Which application group possesses a client access point and at least one application-specific resource?*

- a. Active node
- b. Cluster
- c. Cluster resource**
- d. Virtual cluster server

24. A utility tool that tests whether a particular host is reachable across an IP network.

PARAPHRASE: *A useful program that determines whether a specific host is reachable over an IP network.*

- a. DxDiag
- b. Netstat
- c. Ping**
- d. Tracer

25. Which of the following keys is not appropriate to enter BIOS setup?

PARAPHRASE: *Which key on the following list should not be used to access BIOS setup?*

- a. F1
- b. F2
- c. F5**
- d. F10

26. What enabled users of Windows that correct any problems preventing from booting up normally?

PARAPHRASE: *What allowed Windows users to fix any issues that prevented the operating system from starting up normally?*

- a. Disk Cleanup
- b. Ipconfig
- c. Safe mode**
- d. Task manager

27. What starts up recovery options in a computer that essentially boot into the RECOVERY partition of the main hard drive?

PARAPHRASE: *What causes a computer to essentially boot into the RECOVERY partition of the primary hard disk to start up recovery options?*

- a. Command Prompt

b. Repair computer

- c. Safe mode
- d. System Restore

28. A single physical hard drive can divide into multiple _____ hard drives.

PARAPHRASE: *Multiple _____ hard drives can be created from a single physical hard disk.*

- a. Boot
- b. Local

c. Logical

- d. Single

29. What are the two types of interface used to communicate between the hard drive and the computer motherboard?

PARAPHRASE: *What are the two different kinds of interfaces that the hard drive and motherboard of the computer utilize to communicate?*

- a. Advanced Technology Attachment (ATA) and Parallel Advanced Technology Attachment (PATA)
- b. Advanced Technology Attachment (ATA) and Serial Advanced Technology Attachment (SATA)
- c. Industry Standard Architecture (ISA) and Advanced Technology Attachment (ATA)
- d. Parallel Advanced Technology Attachment (PATA) and Industry Standard Architecture (ISA)

30. What is the spider-like interconnection in millions of pieces of information located on computers around the cyber space?

PARAPHRASE: *What explains the spider-like connections between the millions of pieces of data scattered across computers in cyberspace?*

- a. Browser
- b. E-commerce
- c. Internet of Things (IOT)
- d. World Wide Web**

SET B

1. A compound used to prevent overheating of CPU.

PARAPHRASE: *A substance that keeps CPUs from overheating.*

- a. CPU separator
- b. Heat sink insulator
- c. Interface sink

d. Thermal paste

2. What is the maximum length for USB 2.0?

PARAPHRASE: *What is the USB 2.0 maximum length?*

- a. 5ft
- b. 1.2. yds
- c. 1.5 meters

d. 5 meters

3. What software program stores into a Read Only Memory (ROM)?

PARAPHRASE: *What kind of software is contained in a Read-Only Memory (ROM)?*

- a. Driver
- b. Firmware**
- c. Flash IC
- d. Power on Self Test (POST)

4. Disk image also known as _____.

PARAPHRASE: *Disk image is another name for _____.*

- a. Hard Disk Drive (HDD) image
- b. Installer image
- c. ISO image**
- d. WIM Image

5. What is the minimum hardware requirements of the computer RAM, for Windows 10?

PARAPHRASE: *What are the computer's RAM minimum requirements for Windows 10?*

- a. 1 GB for 32 bit or 2 GB for 64 bit**
- b. 1 GB for 32 bit or 4 GB for 64 bit
- c. 2 GB for 32 bit or 2 GB for 64 bit
- d. 2 GB for 32 bit or 4 GB for 64 bit

6. An extension of Microsoft management console used to manage hardware devices including device drivers.

PARAPHRASE: *A Microsoft management console add-on for managing hardware components, such as device drivers.*

- a. Console Manager
- b. Device Manager**
- c. Hardware Manager
- d. Peripheral Manager

7. What is the Volt rating of the yellow wire in the power supply?

PARAPHRASE: *How many volts does the power supply's yellow cable have?*

- a. -5V
- b. +5V
- c. -12V
- d. +12V**

8. A Yost Cable, cisco cable and console cable also known as _____

PARAPHRASE: *A Yost Cable, Cisco Cable, and Console Cable are all other names for it.*

- a. Cross over
 - b. Extreme
 - c. Straight Through
 - d. Roll-over**
9. In server 2008, Local Area Network (LAN) connection icon in yellow color indicator signifies

PARAPHRASE: *The Local Area Network (LAN) connection symbol in server 2008 is colored yellow to denote _____.*

- a. Driver Problem
 - b. No connectivity**
 - c. Update
 - d. Virus
10. Light Emitting Diode (LED) in Network Interface Card (NIC) has _____ light/s.
- PARAPHRASE:** *The Network Interface Card's (NIC) Light Emitting Diode (LED) emits _____ light/s*
- a. 1
 - b. 2**
 - c. 3
 - d. 4
11. Port _____ is an application of network address translation (NAT) that communicate request from one address and port number combination to another.
- PARAPHRASE:** *Network address translation (NAT) is used in port _____, which transmits requests from one address and port combination to another.*
- a. Evaluation
 - b. Forwarding**
 - c. Request
 - d. Standard
12. What is the alternative for wired connection that uses radio frequencies that send signal between devices and router.
- PARAPHRASE:** *What is the substitute for a wired connection that sends signals between devices and a router using radio frequencies?*
- a. Wireless Fidelity**
 - b. Wireless Finder
 - c. Wireless Firmware
 - d. Wireless Fix
13. A computer network made up of an interconnection of local area network (LANs) within a limited geographical area e.g. corporate buildings.
- PARAPHRASE:** *A local area network (LAN) that connects to other LANs in a specific geographic area, such as business buildings.*
- a. Campus Area Network**
 - b. Local Area Network
 - c. Metropolitan Area Network
 - d. Wide Area Network
14. What term applies to the interconnection of LAN in a city into 5 to 50 kilometers ?

PARAPHRASE: *What is the designation for the LAN connections that span 5 to 50 kilometers within a city?*

- a. Campus Area Network
- b. Local Area Network
- c. Metropolitan Area Network**
- d. Wide Area Network

15. Who is assign to monitor the network security, operation and network users?

PARAPHRASE: *Who is tasked with keeping an eye on the network's operation, security, and users?*

- a. Encoder
- b. End-User
- c. Network Administrator**
- d. Network Technician

16. _____ is used to store the user documents with a large amount of memory and storage space.

PARAPHRASE: *With a lot of memory and storage space, it is utilized to store user documents.*

- a. Application server
- b. File server
- c. Mail server
- d. Print server

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PARAPHRASE:

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- b. Internet address
- c. Private address
- d. Provider address

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- c. WPA2-Enterprise
- d. WPA2-Personal**

19. It is a way to identify a specific process to which an internet or other network message forwarded when it arrives at a server.

PARAPHRASE: *When a message from the internet or another network arrives at a server, it can be used to identify the exact process to which it was passed.*

- a. IP Address
- b. Ping
- c. Port number**
- d. Proxy server

20. An automated software program that executes a certain command when it receives a specific input is _____?

PARAPHRASE: *What is the name of a computer program that automatically runs a particular command when it gets a particular input?*

- a. BOT**

- b. Malicious Code
 - c. Spyware
 - d. Proxy Server
21. _____ enables administrator to configure storage thresholds on particular sets of data stored on server NTFS volumes.
- PARAPHRASE:** *The ability to specify storage thresholds for certain sets of data stored on server NTFS volumes is provided by ____.*
- a. Data Compression
 - b. Extensible File Allocation Table (exFAT)
 - c. FAT- formatted partition
 - d. File System Quota**
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 - c. FAT- formatted partition
 - d. File System Quota**
23. What log files that record performance statistics based on the various performance objects and instances available in Performance Monitor?
- PARAPHRASE:** *What log files are used to store performance statistics based on the many performance objects and instances that Performance Monitor has to offer?*
- a. Circular Logging
 - b. Counter Logs**
 - c. LinearLogging
 - d. View Log File Data
24. The recovery console command that examines the volume for errors and repairs it?
- PARAPHRASE:** *The command in the recovery console that checks the volume for faults and fixes it?*
- a. Bootcfg
 - b. Bootrec
 - c. Chkdsk**
 - d. Mbr
25. The computer system is functional if it is in _____.
- PARAPHRASE:** *If the computer system is in the _____ state, it is functional.*
- a. Auto shut off
 - b. Change option
 - c. Good option
 - d. Normal booting
26. What windows update that downloads and installs latest version?
- PARAPHRASE:** *What Windows update downloads the most recent version and installs it?*
- a. Check update
 - b. Full updates
 - c. Fully automatic**

- d. Semi automatic
27. What is the physically damaged cluster of storage on the hard drive?
- PARAPHRASE:** *What is the hard drive's physically damaged storage cluster called?*
- a. **Bad sector**
 - b. GUID Partition Table
 - c. Master Boot Record (MBR)
 - d. Volume
28. It occurs when two or more devices connected with the same IP address in a computer network.
- PARAPHRASE:** *It happens when two or more devices on a computer network share the same IP address.*
- a. Dynamic IP address conflict
 - b. **IP Address conflict**
 - c. Private IP Address error
 - d. Static IP Address error
29. What storage device should replace if frequent error messages appear while moving files and booting up operating system?
- PARAPHRASE:** *What storage device should be changed if error messages are popping up while moving files around while the operating system is booting up?*
- a. Flash drive
 - b. **Hard disk**
 - c. Optical drive
 - d. Random access memory
30. What recovery console commands that writes a new master boot record on the hard disk drive?
- PARAPHRASE:** *What recovery console commands update the hard drive's master boot record?*
- a. Bmrui
 - b. Bootrec
 - c. Chkdsk
 - d. **Fixmbr**

SET C

1. What is the maximum cable length for USB 3.0 using a non-twisted pair wire?
PARAPHRASE: What length of non-twisted pair wire can a USB 3.0 cable have before it becomes too long?
 - a. **3 meters**
 - b. 4 meters
 - c. 5 meters
 - d. 10 meters
2. M.2 is a form factor for
 - a. Memory
 - b. **Motherboard**
 - c. Power supply
 - d. Storage drive
3. What kind of chip stores the settings in the BIOS?
 - a. Advance Technology eXtended (ATX) chip
 - b. Basic Input Output System Random Access Memory (BIOS RAM) chip
 - c. **Complementary Metal Oxide Semiconductor Read Only Memory (CMOS ROM) chip**
 - d. Real Time Clock/Non Volatile Random Access Memory (RTC/ RAM) Chip
4. It is used as a substitute for actual disc, allowing users to run software without having to load a CD or DVD?
 - a. Bootsys file
 - b. Cmd file
 - c. Hyberfil file
 - d. **ISO file**
5. What windows edition has a program capable of restricting other users to access certain programs in a computer?
 - a. Windows Extreme
 - b. Windows Basic
 - c. Windows Professional
 - d. Windows Ulitimate
6. In what folder that the device driver can be found?
 - a. Drv
 - b. Program files
 - c. Registry
 - d. **System32**
7. An ideal voltage range on the hotwires of a Molex connector?
 - a. Red= 3.3V, Yellow=5V
 - b. Red=5V, Yellow=3.3V
 - c. **Red=5V, Yellow=12V**
 - d. Red=12V, Yellow=5V
8. What Ethernet cable used to connect computers to hubs & switches?
 - a. Cross-Over
 - b. Extreme
 - c. Roll-Over
 - d. **Straight-thru**
9. A network interface controller also known as _____.

- a. Hub
 - b. **LAN Card**
 - c. Switch
 - d. WAP
10. What class of IP address is 192.168.0.1?
- a. Class A
 - b. Class B
 - c. **Class C**
 - d. Class D
11. A router that is design to operate in the Internet Backbone.
- a. Bridge
 - b. **Core**
 - c. Edge
 - d. Network
12. _____ allows to define a list of devices and only allow those devices on Wi-Fi network.
- a. **MAC Address Filtering**
 - b. Service Set Identifier
 - c. Wired Equivalent Privacy
 - d. Wireless Security
13. What type of network that connects through signals, e.g. infrared?
- a. Campus Area Network
 - b. Local Area Network
 - c. **Wireless Personal Area Network**
 - d. Wide Area Network
14. _____ allows users to move around the coverage area in a line of sight while maintaining a network connection.
- a. Campus Area Network
 - b. Local Area Network
 - c. Wide Area Network
 - d. **Wireless Local Area Network**
15. _____ is an enterprise-level heterogeneous backup and recovery suite.
- a. **NetBackup**
 - b. NetCopy
 - c. NetFile
 - d. NetSave
16. A type of server that allows the central administration and management of network users and network resources.
- a. Application Server
 - b. Database Server
 - c. Directory Server
 - d. File Server
17. _____ is an information asset, suffering damage, unintended modification or disclosure.
- a. Attack
 - b. Exploit
 - c. Exposure
 - d. **Loss**

18. The network security standard that tries to make connection between a router and wireless devices faster and easier.
- a. TKIP
 - b. WPS
 - c. WPA2-Enterprise
 - d. **WPA2-Personal**
19. Which of the following is the most efficient in transferring larger files?
- a. Control Protocol
 - b. **File Transfer Protocol**
 - c. Hypertext Transfers Protocol
 - d. Network Time Protocol (NTP)
20. What technique used to gain unauthorized access to computers, wherein the intruder sends messages with a source IP address?
- a. Sniffers
 - b. Spam
 - c. **Spoofing**
 - d. Spyware
21. It enables administrators to define the types of file that can save within a Windows volume and folder.
- a. File Classification Unfradtucture
 - b. File Compression
 - c. File Encryption
 - d. File Screening
22. What second clustering technology provides by corresponding client requests across several servers with replicated configuration?
- a. Cluster quorum
 - b. Hyper-V virtualization
 - c. Network Load-Balancing
 - d. Quick Migration
23. What log files that conserves disk space by ensuring that the performance log file will not continue growing over certain limits?
- a. Circular logging
 - b. Counter logs
 - c. Linear logging
 - d. View Log File Data
24. A _____ should be upgraded to receive and transmit strong signals to and from other computer.
- a. Video Card
 - b. Memory card
 - c. Network Card
 - d. Sim Card
25. A protocol that provides quick, automatic, and central management for the distribution of IP Addresses within a network.
- a. Domain Name System (DNS)
 - b. Dynamic Host Control Protocol (DHCP)
 - c. Simple Mail Transfer Protocol (SMTP)
 - d. Transmission Control Protocol (TCP)

26. What command-line tool used to find the IP address that corresponds to a host or domain name?
- a. MS Dos
 - b. Nslookup
 - c. Ping
 - d. Tracert
27. What is the problem of a computer if the time and date keeps on resetting even after fixing in the BIOS?
- a. CMOS Battery Failure
 - b. CPU overheating
 - c. Flash Memory failure
 - d. System crashing
28. A tool used for checking the condition of the hard drive with signs like "Good", "Caution", or "Bad".
- a. CrystalDiskInfo
 - b. Defragmented
 - c. DiskManagement
 - d. Scandisk
29. A task to do after planning to fix the network is _____.
- a. Implementing the agreement
 - b. Implementing the idea
 - c. Implementing the result
 - d. Implementing the solution
30. A process of scanning, identifying, diagnosing and resolving problems, errors and bugs in software.
- a. Debugging
 - b. Software diagnostic
 - c. Software troubleshooting
 - d. Testing

SET D

1. _____ is a 24 pin USB connector system with a rotationally symmetrical connector.
 - a. Extreme Universal Serial Bus (USB)
 - b. Super Universal Serial Bus (USB)
 - c. Ultra Extreme
 - d. Universal Serial Bus (USB) C Thunderbolt
2. It facilitates communication between the CPU and other devices in the system
 - a. Basic Input Output System (BIOS)
 - b. Bus
 - c. Chipset
 - d. Random Access Memory (RAM)
3. What option in the BIOS/UEFI used to overclock computer?
 - a. Clock Basic Input Output System (BIOS)
 - b. Extreme Basic Input Output System (BIOS)
 - c. Power Basic Input Output System (BIOS)
 - d. Voltage Basic Input Output System (BIOS)
4. Minimum byte capacity of a bootable flash drive for Windows 10 is _____.
 - a. 4GB
 - b. 8GB
 - c. 16GB
 - d. 32GB
5. What is the minimum RAM requirement of Server 2012 R2?
 - a. 512MB
 - b. 1GB
 - c. 2GB
 - d. 4GB
6. In Windows 7, Windows update and security is located in _____.
 - a. Device Manager
 - b. Programs
 - c. Settings
 - d. System Performance
7. What voltages that ATX12V P1 connector provides for the motherboard?
 - a. 3.3V, 5V
 - b. 3.3V, 5V, 12V
 - c. 3.3V, 12V
 - d. 5V, 12V
8. _____ defines as a structured network cabling system standards for commercial buildings and between buildings in campus environments.
 - a. ANSI/TIA-567
 - b. ANSI/TIA-568
 - c. ANSI/TIA-566
 - d. ANSI/TIA-587
9. In networking, _____ refers to pieces of related information that are transferred through a network.
 - a. Access
 - b. Connection
 - c. Packet

- d. Wi-Fi
10. What Class of IP Addressing is 172.168.10.17?
- a. Class A
 - b. Class B
 - c. Class C
 - d. Class D
11. What type of router that enables an internal network to connect to external network?
- a. Broadband
 - b. Core
 - c. Edge
 - d. Forwarding
12. What pertains to the maximum data transfer rate of a network for internet connection?
- a. Backbone
 - b. Backhaul
 - c. Bandwidth
 - d. Broadband
13. What type of a high-speed network/subnetwork that composed of hosts and interconnects using a variety of technology/topology?
- a. Campus Area Network
 - b. Local Area Network
 - c. Personal Area Network
 - d. Storage Area Network
14. It acts like a border router to connect corporate sites to wired access lines.
- a. Customer Premises Equipment (CPE)
 - b. Network Transfer Equipment (NTE)
 - c. Product Terminal Equipment (PTE)
 - d. Virtual Control Equipment (VCE)
15. _____ is a process of recognizing a user's identity.
- a. Authentication
 - b. Authorization
 - c. Encryption
 - d. Identification
16. A type of server that occupies a large portion of computing territory between the database server and end user.
- a. Application Server
 - b. Client Server
 - c. Directory Server
 - d. File Server
17. In the context of security, _____ is a privilege or assigned permission for the use of computer data or resources.
- a. Access
 - b. Asset
 - c. Attack
 - d. Exploit
18. What media types of 10-megabit Ethernet that composes of broadband coaxial cable carrying multiple baseband channels for a maximum length of 3,600 meters?
- a. 10Base-T
 - b. 10BASE-2

- c. 10BASE-5
 - d. 10BASE-36
19. A network security system that monitors and controls incoming and outgoing network traffic based on predetermined security rules.
- a. Firewall
 - b. Gateway
 - c. Group Policy
 - d. Media Access Control (MAC)
20. What term used to refer when a system is unavailable?
- a. Downtime
 - b. Recovery
 - c. Reliability
 - d. Unavailability
21. Which of the following commands used to certify the peer name resolution in Active Directory?
- a. DCPROMO
 - b. DNSCMD
 - c. FORMAT
 - d. NSLOOKUP
22. What active directory protocol used to access data from a database?
- a. Dynamic Host Control Protocol (DHCP)
 - b. File Transfer Protocol (FTP)
 - c. Simple Mail Transfer Protocol (SMTP)
 - d. Lightweight Directory Access Protocol (LDAP)
23. Which of the following displays the measures and various real-time statistics on the system's performance?
- a. Counter Logs
 - b. Counter Monitoring
 - c. View Current Activity
 - d. View Log File Data
24. What type of peripheral card having media access control address?
- a. Firmware card
 - b. Network interface card
 - c. Peripheral component interconnect card
 - d. Tuner card
25. Which of the following is a term for the main patch panel that links to every telecommunication room is inside the building?
- a. Lead Extension
 - b. Major Distribution line
 - c. Multiplexer
 - d. Vertical cross-connect
26. An enclosed or semi-enclosed channel that protects, routes and hides cables and wires.
- a. Holder
 - b. Rack
 - c. Panel
 - d. Raceway
27. A material that slid before crimping both ends of a patch cable and acts to reduce starin in a cable.

- a. Boot
 - b. Protector
 - c. Shield
 - d. Ring
28. What test verifies the operations of communication devices by sending and receiving data from the same port?
- a. Data link test
 - b. Loopback test
 - c. Routing Test
 - d. Signal Test
29. What networking tool that monitors and intercepts traffic over the computer network?
- a. Data link Analyzer
 - b. Frequency Analyzer
 - c. Packet Analyzer
 - d. Protocol analyzer
30. Resistance reading of an open wire is _____.
- a. Almost zero ohm
 - b. Infinite Ohms
 - c. Zero Ohms
 - d. 10 Mega Ohms

SET E

1. _____ is an interface standard for a serial bus for high-speed communications also referred as Institute of Electrical and Electronics Engineers (IEEE) 1394 interface?
 - a. Firewire
 - b. Universal Serial Bus (USB)
 - c. Serial Advance technology Attachment (SATA)
 - d. Thunderbolt
2. A microchip to manage data communication between a CPU and a motherboard.
 - a. Inclusive Controller Hub
 - b. Input/Output Controller Hub
 - c. Internal Controller Hub
 - d. Intersystem Controller Hub
3. A setup option in Unified Extensible Firmware Interface (UEFI)/ Basic Input Output System (BIOS) that allows security settings to perform such tasks as locating the devoces.
 - a. LoJack
 - b. Remote PC On
 - c. Tracker on
 - d. Wake on LAN
4. A text based command used for creating bootable flash drive.
 - a. Boot
 - b. Chkdsk
 - c. Diskpart
 - d. Format
5. What is the minimum Random Access Memory (RAM) requirement of Server 2008 R2?
 - a. 512MB
 - b. 1GB
 - c. 2GB
 - d. 4GB
6. In windows 7, an indicator tells that a video driver has not installed.
 - a. Displays bios Setup only
 - b. No video display
 - c. Only standard video is displayed
 - d. Three short beeps
7. A volt meter reading of a shorter diode.
 - a. Almost zero volt
 - b. Equal to its source voltage
 - c. Half of the source voltage
 - d. Zero volt
8. _____ is the process of joining two cable ends together.
 - a. Cable conduiting
 - b. Cable passing
 - c. Cable pressing
 - d. Cable splicing
9. What is a hardware device that enables to connect serial devices across a network?
 - a. Com Port
 - b. Coaxial Cable
 - c. Register Jack

- d. Terminal Server
10. What Class of IP Addressing is 10.10.10.1?
- a. Class A
 - b. Class B
 - c. Class C
 - d. Class D
11. How many device can connect to a wireless router?
- a. 25.
 - b. 200
 - c. 150
 - d. 100
12. A device that acts as a bridge between wireless clients and wired network is _____.
- a. Access Point
 - b. Broadband
 - c. Hub
 - d. Router
13. A logical subnetwork that groups collection of devices from the same network switch.
- a. Enterprise Private Network
 - b. Personal Area
 - c. System Area Network
 - d. Virtual Local Area Network
14. It is the time lapse between data sent and when received, it can have a big impactor performance.
- a. Clyde
 - b. Delay
 - c. Gap
 - d. Latency
15. _____ which means pushing component to its limits and extremes.
- a. Interface Test
 - b. Logic Test
 - c. Stress Test
 - d. Technical Test
16. What type of server that enables large numbers users to exchange information near instantaneously and formerly knowns as Internet Relay Chat (IRC) Servers?
- a. Directory Server
 - b. Proxy Servers
 - c. Real time Communication Server
 - d. Server Platforms
17. It ensures that information and programs are changing only in a specified and authorized manner.
- a. Availability
 - b. Confidentiality
 - c. Integrity
 - d. Security
18. What command line network utility that displays network connections for TCP and routing tables?
- a. Connection.txt
 - b. Ipconfig

- c. Netstat
 - d. Ping
19. What set of rules that describes how software and hardware should interact within a network?
- a. Communications protocols
 - b. Expanding the network
 - c. Group policy
 - d. Multihomed host
20. What attack includes the execution of viruses, worms, Trojan horses, and active web scripts with the inherent to destroy or steal information?
- a. Bot
 - b. Information Extortion
 - c. Malicious Code
 - d. Polymorphic
21. Set of rules for transferring files such as text, graphic images, sound, video and other multimedia files, on the World Wide Web (WWW).
- a. Accelerated File Transfer Protocol (AFTP)
 - b. File Transfer Protocol (FTP)
 - c. Hypertext Transfer Protocol (HTTP)
 - d. Simple Mail Transfers Protocol (SMTP)
22. What is the traditional method used to access server data and using the server message block protocol over TCP/IP?
- a. File Resource Manager Tools
 - b. File System Monitoring
 - c. System Management Tools
 - d. Windows Folder Sharing
23. What two command line utilities used to export and import Active Directory object information?
- a. AllUser.lsf and objectclass=user
 - b. Csvde and Set-ADComputer
 - c. Ldifde.exe and csvde.exe
 - d. Ping.exe and ping /all
24. A node in a computer network that allows data to flow from one discrete network to another.
- a. Gateway
 - b. Hub
 - c. Network Interface card (NIC)
 - d. Router
25. What electrical quantities measures when performing continuity testing of twisted pair cable?
- a. Capacitance
 - b. Conductance
 - c. Inductance
 - d. Resistance
26. What type of backup used in hard drive, disc, flash drive and external drive that are housed on site?
- a. Differential Backup
 - b. Incremental Backup

- c. Full Backup
 - d. Local Backup
27. What recovery tool in Windows fixes and scans computer problem that prevents computer from booting repeatedly?
- a. Boot Sequence
 - b. Restore Point
 - c. Repair and Update
 - d. Startup repair
28. _____ used to run commands for troubleshooting unbootable operating system.
- a. Master Boot Record
 - b. Power on Self-Test
 - c. Windows Recovery Environment
 - d. Windows Update
29. Which of the following electronic components need to discharge electrically before the replacement of parts?
- a. Capacitor
 - b. Diode
 - c. Resistor
 - d. Transistor
30. The most current wireless networking standard and can communicate with the older network standards.
- a. 802.11a
 - b. 802.11b
 - c. 802.11g
 - d. 802.11n