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**Vendor:** CompTIA

**Exam Code:** JK0-801

**Exam Name:** CompTIA A+ Certification Exam

**Version:** Demo

**QUESTION 1**

Which of the following is a public IP address?

- A. 10.0.0.1
- B. 62.10.1.1
- C. 172.16.0.1
- D. 192.168.1.1

**Correct Answer:** B

**QUESTION 2**

Which of the following ports **MUST** be open to connect to a PC using RDP?

- A. 21
- B. 80
- C. 443
- D. 3389

**Correct Answer:** D

**QUESTION 3**

Which of the following is the **MAXIMUM** transfer speed of USB 2.0?

- A. 100 Mbps
- B. 400 Mbps
- C. 420 Mbps
- D. 480 Mbps

**Correct Answer:** D

**QUESTION 4**

Which of the following display connections has 15-pins?

- A. RGB
- B. VGA
- C. DVI
- D. HDMI

**Correct Answer:** B

**QUESTION 5**

Which of the following connector types is only used for Coaxial?

- A. RJ-11
- B. ST
- C. F
- D. RJ-45

**Correct Answer:** C

**QUESTION 6**

Which of the following cable types has the **MAXIMUM** transfer rate of 1 Gbps?

- A. CAT3
- B. CAT5

- C. CAT5e
- D. CAT6

**Correct Answer: C**

**QUESTION 7**

Which of the following features of Windows allows a device to have a default IP address if a DHCP server is not available?

- A. APIPA
- B. ARP
- C. IPv6
- D. DNS

**Correct Answer: A**

**QUESTION 8**

Which of the following wireless standards is backwards compatible with 802.11g?

- A. 802.11a
- B. 802.11b
- C. 802.11n
- D. 802.1q

**Correct Answer: C**

**QUESTION 9**

Which of the following types of RAM can be used in a dual channel configuration?

- A. SDRAM
- B. RAMBUS
- C. DDR
- D. DIMM

**Correct Answer: C**

**QUESTION 10**

Which of the following is the BEST protocol to use for securely transferring large files?

- A. Telnet
- B. SSH
- C. SFTP
- D. FTP

**Correct Answer: C**

**QUESTION 11**

Which type of fire extinguishing technology should be used when encountering an electrical fire?

- A. Class B fire extinguishers
- B. Overhead sprinkler system
- C. Water-based fire extinguishers
- D. Non-water based extinguishers

**Correct Answer: D**

**QUESTION 12**

Which of the following will provide the BEST protection against power failures and data loss?

- A. Auto-switching power supply
- B. Uninterruptible power supply
- C. Line conditioner
- D. Surge suppressor

**Correct Answer:** B

**QUESTION 13**

Which of the following tools are commonly used to remove dust and debris from inside a computer? (Select TWO).

- A. Cotton and alcohol
- B. Vacuum
- C. Compressed air
- D. Anti-bacterial surface cleaner
- E. Feather duster

**Correct Answer:** BC

**QUESTION 14**

Which of the following is the BEST way to explain RAID to a non-technical user?

- A. "RAID is a dynamic logical disk management system."
- B. "RAID uses multiple hard disks to increase performance and/or provide protection against data loss."
- C. "RAID uses data striping to reduce hard drive write time and parity bits to reconstruct the data from a failed hard drive."
- D. "RAID stands for Redundant Array of Independent Disks".

**Correct Answer:** B

**QUESTION 15**

Which of the following is representative of a class C address type?

- A. 10.15.1.4
- B. 169.254.125.15
- C. 172.20.15.5
- D. 192.168.1.15

**Correct Answer:** D

**QUESTION 16**

A client wants a technician to install more RAM on their graphics workstation. The client has provided a 4 GB SODIMM and had problems installing it. Which of the following is the probable reason for this?

- A. Graphic workstations require flash memory
- B. The memory is incompatible for the workstation
- C. Graphic workstations require solid state memory
- D. The workstation has no available memory slots

**Correct Answer:** B

**QUESTION 17**

Which of the following MUST be performed when installing a PCI sound card for use instead of the onboard sound?

- A. Install drivers

- B. Install additional memory
- C. Configure the jumpers
- D. Flash the BIOS

**Correct Answer:** A

**QUESTION 18**

Which of the following hard drive types would be considered the MOST likely to survive a fall?

- A. SCSI
- B. Solid State
- C. IDE
- D. SATA

**Correct Answer:** B

**QUESTION 19**

Which of the following are the MOST important factors to address when a technician is choosing the components for a CAD workstation? (Select THREE).

- A. Large drive space allocation
- B. Powerful sound card
- C. Multiple network cards
- D. Multiple large HD monitors
- E. Powerful video card
- F. Maximum RAM
- G. Powerful processor

**Correct Answer:** EFG

**QUESTION 20**

Which of the following is the speed limitation for CAT3 wiring?

- A. 1 Mbps
- B. 10 Mbps
- C. 100 Mbps
- D. 1000 Mbps

**Correct Answer:** B

**QUESTION 21**

If a technician is trying to remote into a computer through a firewall, which of the following ports, by default, MUST be forwarded?

- A. 21
- B. 25
- C. 110
- D. 3389

**Correct Answer:** D

**QUESTION 22**

Which of the following wireless network standards provides the FASTEST throughput?

- A. A
- B. B
- C. G

D. N

**Correct Answer: D**

**QUESTION 23**

Which of the following allows a technician to enable support for a USB 1.1 device?

- A. MBR
- B. HCL
- C. BIOS
- D. AGP

**Correct Answer: C**

**QUESTION 24**

Which of the following connectors from a power supply should be used with a graphics expansion card?

- A. 8-pin 12 volt
- B. PCIe 6-pin
- C. 20-pin
- D. SATA

**Correct Answer: B**

**QUESTION 25**

An end user requires a computer to support computer aided drafting and computer aided modeling. Which of the following component packages should a technician recommend to the end user?

- A. Powerful processor, high-end graphics card, and maximum RAM
- B. File streaming, printer sharing, and a RAID array
- C. Surround sound audio, compact form factor, HDMI output
- D. Processor and RAM that meets minimum Windows requirements

**Correct Answer: A**

**QUESTION 26**

After installing a bar code reader, which of the following is commonly done to configure the reader?

- A. Scan in program codes
- B. Enable the code reader in the BIOS
- C. Use Device Manager to enable I/R ports
- D. Adjust jumper switches

**Correct Answer: A**

**QUESTION 27**

Which of the following expansion slots would support the HIGHEST transfer speeds for high-end graphics cards? (Select TWO).

- A. PCIe
- B. AGP 8x
- C. PCI
- D. ISA
- E. AGP

**Correct Answer: AB**

**QUESTION 28**

Which of the following represents a connector that supports the connection of external devices? (Select TWO).

- A. IEEE1394
- B. eSATA
- C. EIDE
- D. SATA
- E. IDE

**Correct Answer:** AB

**QUESTION 29**

Which of the following are the MOST important considerations when configuring a PC that will be used for a CAD / CAM workstation? (Select TWO).

- A. Gigabit NIC
- B. HDMI output
- C. Maximum RAM
- D. Powerful processor
- E. High end audio output

**Correct Answer:** CD

**QUESTION 30**

Which of the following input devices allows multiple PCs to share a common display?

- A. Router
- B. Bridge
- C. KVM
- D. Wireless keyboard

**Correct Answer:** C

**QUESTION 31**

Which of the following connectors would be found on a twisted pair cable?

- A. RJ-45
- B. BNC
- C. SC
- D. ST

**Correct Answer:** A

**QUESTION 32**

Which of the following allows for the FARTHEST transmission distance for data?

- A. Bluetooth
- B. Single-mode fibre
- C. RG-6 cable
- D. CAT6 cable

**Correct Answer:** B

**QUESTION 33**

The helpdesk technician has been tasked to reinstall the OS on a desktop and has already inserted the OS install disk in the CD-ROM. Which of the following would MOST likely need to be configured within the BIOS to continue reinstalling the OS?

- A. BIOS password
- B. Flash BIOS for firmware upgrade
- C. Boot sequence
- D. Clock speeds

**Correct Answer:** C

**QUESTION 34**

A user is requesting assistance in building a custom made PC for home theater use to connect to their existing large LCD screen. Which of the following components should MOST likely be recommended? (Select TWO).

- A. Large IDE hard drive
- B. HDMI output
- C. Dual monitors
- D. RAID array
- E. TV tuner

**Correct Answer:** BE

**QUESTION 35**

Which of the following devices might need drivers installed so that it can be recognized by the operating system and function properly?

- A. Speakers
- B. Monitors
- C. Scanners
- D. Projectors

**Correct Answer:** C

**QUESTION 36**

Which of the following properties of TCP/IP is used to differentiate the network and the host portions of an IP address?

- A. DNS address
- B. Default gateway
- C. Subnet mask
- D. DHCP lease

**Correct Answer:** C

**QUESTION 37**

A user is trying to setup a small office home office (SOHO) wireless network and does not want any neighbors to be able to discover the network. Which of the following parameters would MOST likely be configured?

- A. Configure a proxy server address
- B. Enable WEP encryption
- C. Disable SSID broadcast
- D. Configure DMZ settings

**Correct Answer:** C

**QUESTION 38**

Which of the following would provide continuous power to various devices connected to it during a power surge or outage?



- A. Line conditioner
- B. Power strip
- C. Battery backup
- D. Surge suppressor

**Correct Answer: C**

**QUESTION 39**

Which of the following network topologies would MOST likely be used to provide redundancy at each network device to support data transmissions?

- A. Mesh
- B. Ring
- C. PBX
- D. Bus

**Correct Answer: A**

**QUESTION 40**

Which of the following memory features allows for the protection against random inconsistencies in the transfer of the data?

- A. Low latency
- B. Dual channel
- C. ECC
- D. Single channel

**Correct Answer: C**

**QUESTION 41**

Primary system functions like basic boot priorities, voltage parameters for the processor, and SATA options are configured in which of the following areas of a PC system?

- A. MBR
- B. CMOS
- C. VRAM
- D. BIOS

**Correct Answer: D**

**QUESTION 42**

Which of the following storage media would be used to build a RAID 5 array?

- A. Dual layer DVDs
- B. SATA HDDs
- C. Flash drives
- D. Blu-ray discs

**Correct Answer: B**

**QUESTION 43**

Which of the following video cable types would be MOST likely to experience gradual, degraded signal quality over a long distance?

- A. HDMI
- B. DisplayPort

- C. VGA
- D. DVI

**Correct Answer: C**

**QUESTION 44**

A DVI-D cable is generally used for which of the following computer functions?

- A. Delivering audio only
- B. Delivering audio & video
- C. Delivering video only
- D. Delivering an analog signal

**Correct Answer: C**

**QUESTION 45**

An IP address of 10.10.1.180 would be considered part of which of the following address classes?

- A. Class A
- B. Class B
- C. Class C
- D. Class D

**Correct Answer: A**

**QUESTION 46**

Which of the following 802.11 wireless standards provides the LOWEST maximum theoretical throughput?

- A. A
- B. B
- C. G
- D. N

**Correct Answer: B**

**QUESTION 47**

Basic Internet web traffic generally travels on which of the following ports?

- A. 25 and 53
- B. 53 and 8080
- C. 80 and 443
- D. 110 and 53

**Correct Answer: C**

**QUESTION 48**

Which of the following printer types needs to have toner replaced as part of the normal maintenance cycle?

- A. Inkjet
- B. Thermal
- C. Impact
- D. Laser

**Correct Answer: D**

**QUESTION 49**

Which of the following technologies has the SHORTEST wireless range for printing?

- A. 802.11g
- B. 802.11a
- C. Bluetooth
- D. Infrared

**Correct Answer:** D

**QUESTION 50**

Which of the following protocols would be MOST important in preserving digital evidence of criminal activity during an investigation?

- A. Change control management
- B. Chain of custody
- C. Channel escalation
- D. MSDS documents

**Correct Answer:** B

**QUESTION 51**

After installing a new serial port card in a computer, the communication parameters need to be configured. Which of the following is the MOST common communication configuration for a serial port?

- A. Eight data bits, even parity, two stop bits
- B. Seven data bits, no parity, one stop bit
- C. Eight data bits, no parity, one stop bit
- D. Seven data bits, even parity, one stop bit

**Correct Answer:** C

**QUESTION 52**

A technician has installed a digital display. Which of the following is TRUE about the native resolution of a digital display?

- A. It has the slowest refresh rate.
- B. It causes the display to use pixel interpolation.
- C. It is the lowest resolution.
- D. It provides the best quality display.

**Correct Answer:** D

**QUESTION 53**

Which of the following describes the use of the DNS protocol as it relates to a TCP/IP network?

- A. Provides remote connectivity to resources on the network
- B. Provides separate control and data connections between network resources
- C. Provides mapping of user friendly names to network resources
- D. Provides automated addressing to resources on the network

**Correct Answer:** C

**QUESTION 54**

Which of the following wireless protocols is limited to operating in the 5 GHz range ONLY?

- A. 802.11a
- B. 802.11b
- C. 802.11g

D. 802.11n

**Correct Answer:** A

**QUESTION 55**

Which of the following describes the expected properties of an asynchronous digital subscriber line service?

- A. The data upload speed is faster than the data download speed.
- B. The data download speed is faster than the data upload speed.
- C. The data upload speed is the same as the data download speed.
- D. The data throughput speed direction can be selected based on the user's discretion.

**Correct Answer:** B

**QUESTION 56**

Which of the following devices transmits data to all ports regardless of final destination?

- A. Firewall
- B. Router
- C. Switch
- D. Hub

**Correct Answer:** D

**QUESTION 57**

When installing a printer in Windows, which of the following is the purpose of the Additional Drivers button on the Sharing tab in the printer's properties?

- A. To add additional drivers to emulate a different printer
- B. To add additional drivers for other printers on the computer
- C. To add additional drivers for other operating systems
- D. To add additional drivers for different printing modes

**Correct Answer:** C

**QUESTION 58**

Which of the following features can be configured with keyboards to assist users with disabilities?

- A. Pointer trails
- B. Magnifier
- C. Sticky keys
- D. Character map

**Correct Answer:** C

**QUESTION 59**

Which of the following connector types is associated with a fiber connection?

- A. RJ-45
- B. RJ-11
- C. LC
- D. HDMI

**Correct Answer:** C

**QUESTION 60**

Which of the following media types is LEAST likely to be affected by electromagnetic interference?

- A. Coaxial
- B. Fiber
- C. Wireless B
- D. HSPA

**Correct Answer:** B

**QUESTION 61**

Which of the following BEST describes the function of DHCP?

- A. Blocks MAC address with security violations
- B. Translates IP addresses to names
- C. Encrypts data traffic on a network
- D. Assigns IP addresses on a network

**Correct Answer:** D

**QUESTION 62**

Which of the following network types BEST represents a network centered around one individual?

- A. LAN
- B. PAN
- C. Cloud
- D. MAN

**Correct Answer:** B

**QUESTION 63**

Which of the following expansion slots can ONLY be found on a desktop computer?

- A. PCI express
- B. Express Card 34
- C. Express Card 54
- D. PCMCIA

**Correct Answer:** A

**QUESTION 64**

Which of the following laptop accessories would MOST likely be used to support multiple displays when the laptop hardware does not have multiple video outputs?

- A. Docking station
- B. VGA to DVI converter
- C. Adjustable monitor arm
- D. PCMCIA card

**Correct Answer:** A

**QUESTION 65**

Which of the following is MOST likely to be reset during a standard printer maintenance?

- A. Print job cache
- B. Paper and tray settings
- C. Page count
- D. Job queue

**Correct Answer: C**

**QUESTION 66**

When unable to get an IP address from a server, which of the following represents an APIPA address that a PC might receive?

- A. 10.0.1.111
- B. 65.71.1.111
- C. 169.254.1.111
- D. 192.168.1.111

**Correct Answer: C**

**QUESTION 67**

Which of the following settings, when enabled, is MOST likely to result in an IP address conflict on a local network?

- A. Custom DNS address
- B. QoS enabled
- C. UPnP enabled
- D. Static IP address

**Correct Answer: D**

**QUESTION 68**

Which of the following features makes logical processor cores appear as physical cores to the operating system?

- A. XD-bit
- B. Hyperthreading
- C. MMU virtualization
- D. 64-bit architecture

**Correct Answer: B**

**QUESTION 69**

Which of the following is typically installed by connecting multiple DVI and USB cables to it?

- A. Touch screen
- B. LCD panel
- C. Webcam
- D. KVM

**Correct Answer: D**

**QUESTION 70**

A user on a wireless network has the IP address 169.254.155.2 but cannot connect to the Internet. Which of the following should the user check on the wireless router?

- A. WPA
- B. DHCP
- C. WINS
- D. DNS

**Correct Answer: B**

**QUESTION 71**

Which of the following devices on a home network should be placed in a DMZ?

- A. Backup server
- B. Gaming server
- C. Smartphone
- D. Wireless printer

**Correct Answer:** B

**QUESTION 72**

Which of the following devices converts digital signals to analog ones?

- A. Modem
- B. Switch
- C. Hub
- D. Router

**Correct Answer:** A

**QUESTION 73**

Which of the following printers is required when carbon paper is used?

- A. Inkjet
- B. Thermal
- C. Laser
- D. Impact

**Correct Answer:** D

**QUESTION 74**

A user discovers that color laser prints are printing slightly off-color. Which of the following should help restore the appropriate colors?

- A. Use different paper
- B. Replace the fuser
- C. Replace the duplexer
- D. Calibrate the printer

**Correct Answer:** D

**QUESTION 75**

ECC memory is primarily used in which of the following computers?

- A. Tablet
- B. Desktop
- C. Server
- D. Laptop

**Correct Answer:** C

**QUESTION 76**

Which of the following standards would be used on a wireless router to support speeds up to 150 Mbps?

- A. 802.11a
- B. 802.11b
- C. 802.11g
- D. 802.11n

**Correct Answer:** D

**QUESTION 77**

A technician must trace a network cable from a user's desk to the punch down block in the wiring closet. Which of the following tools would be the BEST choice?

- A. Cable tester
- B. Multimeter
- C. Loopback plug
- D. Toner probe

**Correct Answer:** D

**QUESTION 78**

A DSL modem MOST commonly uses which of the following media?

- A. Cable TV coax
- B. Fiber optic cable
- C. Wireless adapter
- D. Household telephone lines

**Correct Answer:** D

**QUESTION 79**

Which of the following printer types uses an imaging drum?

- A. Laser
- B. Impact
- C. Inkjet
- D. Thermal

**Correct Answer:** A

**QUESTION 80**

A PC technician must upgrade memory from 2 GB to 4 GB in twenty Windows 7 notebook computers. Some of the laptops have DDR2 memory, and some have DDR3. The memory purchased for the upgrade is DDR3. Which of the following is the MOST likely outcome of this upgrade?

- A. The DDR2 notebooks will work with DDR3 provided the DDR2 is installed in the first DIMM positions.
- B. The DDR3 notebooks are the only ones that will accept the new memory.
- C. The DDR2 memory will fit into the DIMM positions and work.
- D. The DDR3 memory will not work correctly unless the CAS (CL) values are the same.

**Correct Answer:** B

**QUESTION 81**

A technician must replace a 10/100 NIC in a Windows XP PC. The failed NIC is no longer available and a substitute 1 GB NIC will be used. Which of the following MUST be performed to accomplish the task?

- A. The drivers for the new 1 GB NIC must be installed.
- B. The NIC speed cannot exceed 10/100 and the PC must support digitally signed drivers.
- C. The PC must be rated to support the 1 GB NIC speed.
- D. The network cable must also be upgraded.

**Correct Answer:** A

**QUESTION 82**

Which of the following are components of an "active" CPU cooling solution?



- A. A heatsink and thermal compound.
- B. A heatsink, radiator, and thermal compound.
- C. A heatsink, attached fan, and thermal compound.
- D. A heatsink, case fan, and thermal compound.

**Correct Answer:** C

**QUESTION 83**

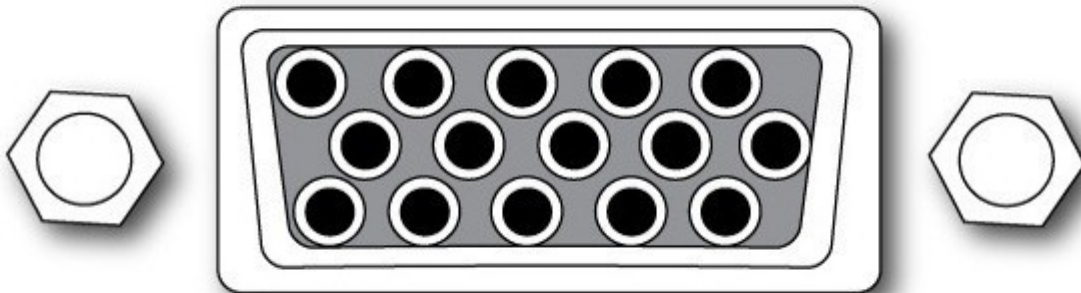
Which of the following memory form factors is MOST commonly found in laptops?

- A. SDRAM
- B. SODIMM
- C. RAMBUS
- D. DIMM

**Correct Answer:** B

**QUESTION 84**

Click on the Exhibit button.



Which of the following describes the port type pictured in the image?

- A. VGA
- B. Serial
- C. Parallel
- D. DVI

**Correct Answer:** A

**QUESTION 85**

Which of the following motherboards would fit in an ATX case?

- A. BTX
- B. ITX
- C. Ultra ATX
- D. Micro ATX

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