CompTIA A+ 220-901 Hardware Practice Test Domain 1

The CompTIA A+ certification examination consists of approximately 30 questions covering Domain 1 Hardware or approximately 34 percent of the entire test. This practice test consists of 30 questions. To pass the test proving you are ready for the real examination you should strive to correctly answer at least 24 questions correctly. Anything less than 24 correct means you need to study more.

1. How would you make a change to a computer so that it will boot directly to the DVD drive rather than the HDD?

A. Change the boot order by disabling the HDD in the Device Manager.

B. Change the boot order by using the BIOS setup program.

C. Change the boot order by access the MSCONFIG program.

D. Change the boot order by accessing the Control Panel then select Administration option and then select Boot Order option.

2. Which hardware item information will NOT appear in BIOS setup program?

A. HDD size.

B. Amount of RAM installed.

C. CPU speed.

D. Wireless network adapter IEEE specification data rate.

3. Which expansion slot type provides the highest data rate?

A. PCI

B. PCIe x 16

C. PCI-X

D. ISA

4. Which motherboard form factor would most likely match the exhibit?

A. ATX

B. ITX

C. Micro ATX

D. Micro ITX

5. Which processor would most likely match a LGA1155 socket?

A. Intel Core i7

B. AMD Athlon

C. AMD Sempron

D. AMD Phenom II

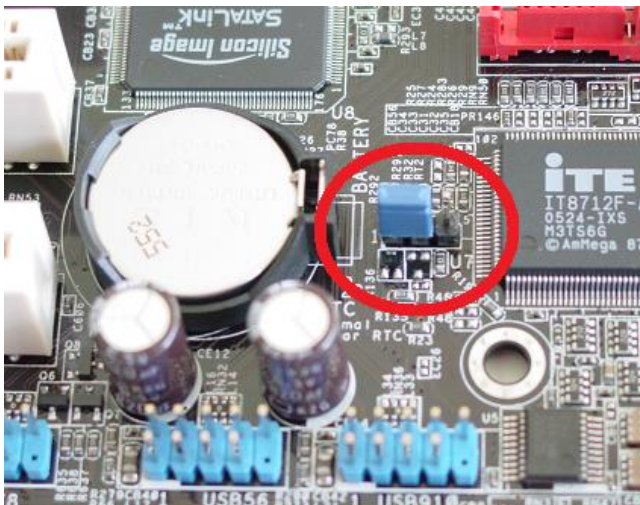6. Which type of connector appears in the exhibit?

A. ATX

B. ATX12V

C. USB 3.0

D. DVD 3.0

7. What is the purpose of the jumper indicated in the exhibit?

A. Over clocking the CPU.

B. Over clocking the RAM.

C. Regulate the voltage output of the video card slot.

D. Reset the BIOS password.

8. Where in the control panel of Windows 7 would you disable a hardware device?

A. System Security

B. Hardware and Sound

c. Programs

D. Appearance and Personalization

9. What is the maximum amount of RAM recognized by 32-bit Windows operating systems?

A. 1 GB

B. 4 GB

C. 16 GB

D. 1 TB

10. How many HDD are required for a RAID type 1 system?

A. 1

B. 2

C. 3

D. Any number can be used.

11. Which partition typically has no drive letter assigned?

A. Boot Partition

B. Active Partition

C. Reserved Partition

D. Extended Partition

12. What is an MDSD?

A. It protects hardware items from electronic shock.

B. It protects technicians from electrical shock

C. It provides instructions about how to safely handle specific materials.

D. If provides information about the proper technique to install computer components.

13. What are the typical DC voltages of an ATX power supply?

A. 3 VDC, 6 VDC, 12 VDC

B. 3.3 VDC, 5 VDC, 12 VDC

C. 2.1 VDC, 6VDC, 24 VDC

D. 2 VDC, 5 VDC, 18 VDC

14. What must be installed between a CPU and the heat sink?

A. Electrical insulation pad

B. Anti-vibration pad

C. Thermal paste

D. Liquid cooling oil

15. Which two connection types are used to support an internally connected HDD?

(Select two.)

A. PATA

B. USB

C. RS232

D. SATA

16. POST error codes are controlled by which device?

A. BIOS program

B. RAM

C. The operating system

D. The Windows diagnostic program

17. What should you do first before installing an operating system upgrade?

A. Format the primary partition.

B. Format the entire hard disk drive.

C. Make backups of all device drivers.

D. Backup all critical files.

18. What does the term "native resolution" mean?

A. The best screen resolution for a particular software application.

B. The resolution setting that matches the physical number of screen pixels.

C. The highest possible screen resolution for a particular video card.

D. The resolution produced during the safe mode operation of a failed computer system Boot.

19. What does the term aspect ratio mean when referring to display system?

A. Aspect ratio refers to the ratio of the display area's height and width.

B. Aspect ratio refers to the maximum viewing angle associated with a specific display unit.

C. Aspect ratio refers to the number of pixels per one screen square centimeter.

D. Aspect ratio is the amount of electrical power required compared to the amount of brightness of the display unit.

20. Which type of connector is used for coaxial cable?

A. RJ45

B. F-type

C. S-video

D. Toslink

21. Which is an example of a codec?

A. MPEG

B. 802.11 N

C. DSL

D. SLI

22. Which connector supports both video and audio?

A. DVI-D

B. S-Video

C. HDMI

D. DVI=I

23. Which device would be used to share a keyboard and video display with two computers?

A. Hub

B. Router

C. KVM switch

D. VGA splitter

24. How many pins are associated with an ATX12V motherboard power supply connection?

A. 18

B. 20

V. 24

D. 32

25. The words on a laser printer paper smear when touched. What is most likely the cause?

A. The wrong ink has been used.

B. The fuser unit has failed.

C. The corona wire needs to be replaced.

D. The pickup roller is damp.

26. Which items are periodically replaced in a laser printer that performs high volume printing? (Select two.)

A. Print head

B. Pickup roller

C. Separation pad

D. duplexing assembly

27. The office laser printer is shared by eight workstations. The printer was working fine yesterday but the next morning no one can print from their workstation. What is most likely the reason and should be checked first?

A. The laser printer is out of toner.

B. Someone has changed the printer IP address.

C. The printer is offline.

D. The DHCP network server is offline.

28. What does the term "fusing" mean when referring to laser printer operation.

A. The merging of two or more documents.

B. Emptying the printer queue.

C. The spreading of toner across the static charge on the paper.

D. The bonding of toner to the paper using a heat process.

29. Which is the best device for cleaning toner spills?

A. A wet/dry shop vacuum.

B. A vacuum equipped with a HEPA filter.

C. A broom and dust pan.

D. A sponge soaked in a solution of 80 % warm water and 20 % ammonia.

30. What is the approximate voltage used for the primary corona wire in a laser printer?

A. 12 Volts

B. 24 Volts

C. 120 VAC

D. -6000 Volts

Answers

1. How would you make a change to a computer so that it will boot directly to the DVD drive rather than the HDD?
B. Change the boot order by using the BIOS setup program.

2. Which hardware item information will NOT appear in BIOS setup program?
D. Wireless network adapter IEEE specification data rate.

3. Which expansion slot type provides the highest data rate?
B. PCIe x 16

4. Which motherboard form factor would most likely match the exhibit?
B. ITX

5. Which processor would most likely match a LGA1155 socket?
A. Intel Core i7

6. Which type of connector appears in the exhibit?
A. ATX

7. What is the purpose of the jumper indicated in the exhibit?
D. Reset the BIOS password.

9. What is the maximum amount of RAM recognized by 32-bit Windows operating systems?
B. 4 GB

10. How many HDD are required for a RAID type 1 system?
B. 2

11. Which partition typically has no drive letter assigned?
C. Reserved Partition

12. What is an MDSD?
C. It provides instructions about how to safely handle specific materials.

13. What are the typical DC voltages of an ATX power supply?
B. 3.3 VDC, 5 VDC, 12 VDC

14. What must be installed between a CPU and the heat sink?
C. Thermal paste

15. Which two connection types are used to support an internally connected HDD?
(Select two.)
A. PATA
D. SATA

16. POST error codes are controlled by which device?
A. BIOS program

17. What should you do first before installing an operating system upgrade?
D. Backup all critical files.

18. What does the term "native resolution" mean?
B. The resolution setting that matches the physical number of screen pixels.

19. What does the term aspect ratio mean when referring to display system?
A. Aspect ratio refers to the ratio of the display area's height and width.

20. Which type of connector is used for coaxial cable?
B. F-type

21. Which is an example of a codec?
A. MPEG

22. Which connector supports both video and audio?
C. HDMI

23. Which device would be used to share a keyboard and video display with two computers?
C. KVM switch

24. How many pins are associated with an ATX12V motherboard power supply connection?
C. 24

25. The words on a laser printer paper smear when touched. What is most likely the cause?
B. The fuser unit has failed.

26. Which items are periodically replaced in a laser printer that performs high volume printing? (Select two.)
B. Pickup roller
C. Separation pad

27. The office laser printer is shared by eight workstations. The printer was working fine yesterday but the next morning no one can print from their workstation. What is most likely the reason and should be checked first?
C. The printer is offline.

28. What does the term "fusing" mean when referring to laser printer operation.
D. The bonding of toner to the paper using a heat process.

29. Which is the best device for cleaning toner spills?
B. A vacuum equipped with a HEPA filter.

30. What is the approximate voltage used for the primary corona wire in a laser printer?
D. -6000 Volts