**DV162\_26\_SAS\_Peripheral Cables**

**Possible Answer Sheet**

Q1. What is one of the most common methods of connecting peripherals to computers? Ans: is by using USB (Universal Serial Bus).

Q2. One of the early versions of USB was\_\_\_\_\_\_\_\_, and it had \_\_\_\_\_\_different speeds.

Ans. USB 1.1, two

Q3. The early versions of USB had a low speed, which was \_\_\_\_\_\_\_\_\_megabits per second and a maximum cable length of around \_\_\_\_\_\_\_\_ meters.

Ans. 1.5 Mbps, 3

Q4. What is the maximum speed of USB 2.0?

Ans: 480 Mbps.

Q5. What is USB 3.0?

Ans: The Upgrade to USB 2.0 is USB 3.0 which is also called Super Speed USB. It Supports 5Gbps over 3 meter wire cable.

Q6. What are some common connectors from the USB 1.1 and 2.0 versions?

Ans: Are Standard-A plug, Standard-B plug, mini-B plug, micro-B plug.

Q7. The USB 3.0 micro-B plug is very different from the USB 2.0 version.(T/F)

Ans. True.

Q8. What is the USB-C connector?

Ans: The USB-C connector, also known as USB Type-C. USB-C connectors are small and we can send many different types of signals over it like video signals and others.

Q9. What is the maximum speed of USB 3.0?

Ans: 5Gbps.

Q10. How does USB 3.2 improve bandwidth?

Ans: Doubles the Bandwidth available in USB.

Q11. What is the size of the USB-C connector?

Ans: Quite Small.

Q12. What is the name of the USB 3.0 connection type?

Ans: USB Type-A

Q13. What is an update of USB 3.0?  
Ans. USB 3.1 or USB 3.1 Gen 1

Q14. What is the latest version of USB released in 2017?

Ans: USB 3.2.

Q15.The standard that used to be USB 3.0, which we change to \_\_\_\_\_\_\_Gen 1 is now called \_\_\_\_\_\_Gen 1 or superspeed USB \_\_gigabits per second.

Ans. 3.1, 3.2, 5Gbps.

Q16. What is the maximum throughput of USB 3.2 Gen 2 times 2?

Ans: 20 Gbps = 10 Gbps x 2.

Q17. What is Thunderbolt?

Ans: Thunderbolt is a type of hardware interface technology that is used to connect various devices. This is a high speed serial connection that is able to put Power and Data on the same cable.

Q18. Thunderbolt version 1 is a\_\_\_\_\_\_\_\_channel technology and you can put\_\_\_\_\_\_\_\_ \_gigabits per second over each of those channels for a maximum throughput of \_\_\_\_\_\_\_\_\_\_gigabits per second.

Ans. Two, 10, 20.

Q19. What is the total aggregated throughput for a Thunderbolt version 3 connection? Ans: 40 Gbps.

Q20. Thunderbolt signals can be set over both \_\_\_\_\_\_or \_\_\_\_\_\_\_\_\_ connections.

Ans. Copper, Fiber.

Q21. What is the maximum length of a Thunderbolt connection?

Ans: If we use copper cable that max length will be 3 meters while if we use fiber then max length will be 60 meters.

Q22. How many Thunderbolt devices can be daisy-chained together?

Ans: 6 devices.

Q23. Before we had a universal serial bus, we were using \_\_\_\_\_ pin and \_\_\_\_ pin serial connections on our computers to be able to connect peripherals.

Ans. 9, 25.

Q24. What type of connectors were used before the invention of the Universal Serial Bus?

Ans: DB-9 and DB-25 Serial Convertors were used before the invention of USB.