**DV300\_24\_PAS on video related to Clouds and Virtualization**

**Q1. The traditional way a business operates is by using a different \_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_\_\_\_to run different services according to the business need.**

A1. Machines or Servers

**Q2.** **A business reduces server to run the \_\_\_\_\_\_\_\_\_\_\_ another server would be used for websites and other server is used to run the email service and so on.**

A2. Database

**Q3. Can these servers used in businesses be running different operating system?**

A3. Yes, they can be.

**Q4. There is a new trend that is happening in the world of IT called Virtualization. (True/False)**

A4. True

**Q5. \_\_\_\_\_\_\_\_\_\_\_\_\_is basically a consolidating all of the physical servers with their different operating systems and applications and running them on just one physical servers in a virtual environment.**

A5. Virtualization

**Q6. Virtualization saves money and also store space, maintenance and management. (True/false)**

A6. True

**Q7. A \_\_\_\_\_\_\_\_\_\_\_\_is not a physical switch but software switches that is created in a virtual environment.**

A7. Virtual Switch

**Q8. A \_\_\_\_\_\_\_\_\_\_\_performs just like a physical router. It can route data packet between your virtual servers and the internet**

A8. Virtual Router

**Q9. Virtual firewall is another virtual device that can filter \_\_\_\_\_\_\_\_\_\_\_\_\_ and to monitor that traffic for your virtual servers just like a physical firewall does.**

A9. Network Traffic

**Q10. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ refers to data and applications being stored and run on remote servers rather than being on your local computer.**

A10. Cloud Computing

**Q11. On cloud computing data is on remote servers are accessed and run via the internet. (True/False)**

A11. True

**Q11. You can solve the problem of hardware/software failure by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

A11. Cloud Computing

**Q12. What are the types of cloud computing?**

A12. a. IAAS (infrastructure as a service)

b. PAAS (platform as a service)

c. SAAS (software as a service)

**Q13. How does types of cloud computing vary?**

A13. They vary in Control and Flexibility

**Q14. IAAS is basically when you going to let 3rd party vendor managing hardware portion. (True/False)**

A14. True

**Q15. Good example of IAAS will be a web services company like\_\_\_\_\_\_\_\_\_\_\_\_\_\_ web services.**

A15. Amazon

**Q16. In a PAAS, third party vendor not only manages the hardware but also manages the operating system, middleware and runtime. (True/False)**

A16. True

**Q17. A good example of PAAS would be \_\_\_\_\_\_\_\_\_\_\_\_\_as a cloud computing platform from Microsoft.**

A17. Azure

**Q18. SAAS stands for \_\_\_\_\_\_\_\_\_\_\_\_**

A18. Software as a Service

**Q19. Google apps are great example of SAAS. (True/False)**

A19. True

**Q20. If you want to store data in centralized location what will be accessed all of the other device in your network. You can do this by using a\_\_\_\_\_\_\_\_\_\_\_\_\_.**

A20. NAS

**Q21. A network attached storage device is a storage device that is used strictly to\_\_\_\_\_\_\_\_. And it doesn’t do anything else besides it.**

A21. Store Data

**Q22. NAS will have multiple hard drives in \_\_\_\_\_\_\_\_\_\_\_for redundancy and a \_\_\_\_\_\_\_\_\_\_ that directly attached to a switch or router**

A22. RAID Configuration & Network Interface Card

**Q23. SAN stands for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

A23. Storage Area Network

**Q24. The network consist of \_\_\_\_\_\_\_\_\_\_\_arrays and servers that access this data as if it was a local hard drive because that how operating system recognize a SAN.**

A24. Multiple Disk

**Q25. SANs are independent of servers; they are not limited or owned by a single server. (True/False)**

A25. True

**Q26. SANs are also easily expandable and very redundant because all the data is shared among\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

A26. All Servers simultaneously

**Q27. A SAN is a high speed network and that because in SAN all the devices are interconnected using \_\_\_\_\_\_\_\_\_\_**

A27. Fibre Channel

**Q28. SAN has a network speed starting at over \_\_\_\_\_\_\_\_\_\_Mbps**

A28. 2000