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Exam : IBM 000-239

Title : Eserver P5 Sales

1. A large data center has a requirement to consolidate existing UNIX and Linux servers supporting commercial workloads. Which of the following advantages of the eServer p5 would be important in meeting this requirement?

- A. Multiple versions of AIX 5L running in individual LPARs
- B. Mainframe-inspired features (self-diagnosing/self-healing)
- C. The ability to produce five 9s availability with a single server
- D. The ability to create up to 254 dynamic partitions in a single system

Answer: D

2. A bicycle manufacturing company has several legacy applications on separate servers running their back office and production management. They are interested in consolidating their application environment to decrease complexities and improve operational costs. Which solution would be the best option to meet the customer's needs?

- A. Business Intelligence solution
- B. Enterprise Resource Planning solution
- C. Customer Relationship Management solution
- D. Workload Manager coupled with Migration Factory services

Answer: B

3. A vending machine company will be running an Oracle database. This customer is on a path of expansion via acquisition. Which system would offer them the most cost-efficient environment with highest flexibility for future growth?

- A. p5-550 4-way running Oracle in SMP mode
- B. p5-570 8-way running Oracle in a 4-way LPAR with 4 inactive CUoD processors
- C. Eight p5-520 2-way running Oracle in cluster using CSM
- D. Two clustered p5-550 2-way's running Oracle 9i RAC

Answer: B

4. Application requirements are major decision criteria in determining if AIX or Linux should be the operating system on eServer p5 servers. If a customer has a key requirement on a specific application, which of the following points need to be understood in operating system selection?

- A. Open Source code only runs on Linux, an Open Source operating system.
- B. If the application is written in JAVA, the logical choice is AIX because JAVA is optimized with the SDK on AIX.
- C. If an application is compiled to a specific operating environment, (Linux on POWER or AIX) it must run on that environment.
- D. If the application is enabled on Linux on Intel systems, it will run on Linux on POWER and not AIX.

Answer: C

5. An existing pSeries customer is concerned with their CPU and memory utilization for a database application. What features in the p5 architecture would address this problem?

- A. Micro-partitioning, Hypervisor, and Virtual storage
- B. CUoD, Hypervisor, and FFDC
- C. Partition Manager, SMP, and Virtualization Engine
- D. Micro-partitioning, CUoD, and SMT

Answer: D

6. A manufacturing firm has a number of very small UNIX and Linux servers. Which of the following IBM offerings would allow the firm to consolidate the systems on a single server and achieve maximum utilization?

- A. Container
- B. Virtualization
- C. vPAR
- D. nPAR

Answer: B

7. A customer is centralizing their Fibre Channel disk systems and their Tape Libraries. Which of the following solutions will reduce their expenses and simplify the administration?

- A. SAN
- B. NAS
- C. TSM
- D. ESS

Answer: A

8. A distribution company has rapidly changing demands on their infrastructure. What features of the Virtualization Engine will help their infrastructure be as flexible as their business demands?

- A. DLPAR, .NET compatibility, VLAN
- B. Micro-Partitioning, Containers, Virtual storage
- C. Simultaneous multi-threading, Micro-partitioning, VLAN
- D. Micro-partitioning, VLAN, Virtual storage

Answer: D

9. A customer would like to migrate and consolidate applications from old Sun servers to new eServer p5 servers. The applications are growing and expected to double in needed capacity next year. The customer would like to purchase the solution now because their budget will be greatly reduced next year. However, they do not have enough budget to cover the solution for next year's capacity. What should an eServer p5 Sales Specialist recommend?

- A. A system to address the complete capacity requirements but smooth payments via an IGF lease
- B. CPU and memory CUoD options so the customer can use the budget now with only activation costs next year
- C. Smaller eServer p5 servers with SMT, increasing utilization while mitigating future capacity concerns
- D. That the customer purchase as many eServer p5 servers as their current budget will allow, thereby reducing stress on next year's budget

Answer: B

10. What function of Advanced Power Virtualization allows communication between partitions?

- A. VLAN
- B. AIX 5L V5.3
- C. Additional Ethernet cards installed in different partitions
- D. Virtual Storage Server

Answer: D

11. Which of the following technologies is designed to reduce outages and facilitate problem determination by identifying failing components in real-time?

- A. Redundant Bit Steering
- B. Light Path Diagnostic
- C. First Failure Data Capture
- D. Dynamic Processor Deallocation

Answer: C

12. A manufacturing company has 12 large workloads and four small workloads and would like to run them on a p5-570 with eight dedicated LPARs and the other four workloads in a shared pool. Which of the following is most

important to articulate to the customer?

- A. eServer p5 LPARs with AIX 5L V5.2 can share multiple I/O adapters.
- B. eServer p5 logical partitioning requires a dedicated Hardware Management Console.
- C. eServer p5 LPARs have the granularity to balance each of the 16 workloads.
- D. All LPARs can share one network connection with Dynamic LPAR capability in AIX 5L v5.2.

Answer: C

13. A customer needs to be in production 24 hours a day, seven days a week. The greatest concerns are the reliability and availability of the system. Which of the following is the most appropriate topic to discuss?

- A. Workload Manager software which allows load balancing over multiple partitions
- B. SMT which allows for higher reliability through better processor utilization
- C. Hypervisor which provides dynamic partitioning failover allowing improved up-time
- D. Dynamic firmware updates which allow for patches to be applied while the system remains in production

Answer: D

14. A customer is running mission-critical applications on older pSeries systems. Their business is experiencing rapid and unpredictable growth, and they need 24 x 7 availability. Which compelling reason might convince this customer to purchase new eServer p5 systems?

- A. eServer p5 systems have micro-partitioning capability and offer more than twice the performance per processor compared to older pSeries systems.
- B. eServer p5 systems have greater virtualization capabilities and can support multiple advanced functions at no additional cost.
- C. eServer p5 systems are more scalable and can be clustered with older pSeries systems for ease of migration.
- D. eServer p5 systems provide better RAS, higher performance, and advanced functionality.

Answer: D

15. An environmental organization is implementing DB2 and requires 16GB memory, 2TB of storage, and 8 CPUs. They would also like to run three other single-CPU applications on the same server. Which of the following solutions would be the most cost effective and allow for future growth?

- A. p5-550 running 4 logical partitions
- B. p650 running 4 logical partitions
- C. p5-520 with Micropartitioning
- D. p5-570 running 4 logical partitions

Answer: D

16. Which customer scenario would be the best candidate for Virtual Storage Server in an eServer p5 environment?

- A. Customer is moving existing web servers from four Sun 280s to four IBM p5-520s
- B. Customer is consolidating two large databases currently running on p670s
- C. Customer is moving their payroll application from an S85 to a p5-570
- D. Customer is consolidating several application servers, currently running on 1-way B80s, to a p5-550 with several LPARs

Answer: D

17. Which of the following enables improved performance on the eServer p5?

- A. Low-k Dielectric and SOI technology
- B. Six floating point operations per second
- C. The ability to create a partition from a single processor
- D. 205 GB memory transfer on a system with a single memory card

Answer: A

18. A customer requires management capabilities for installed pSeries systems via a browser-based PC. Which of the following should be considered?

- A. TSM

- B. CSM
- C. WebSM
- D. LoadLeveler

Answer: C

19. What is the minimum number of 8-port adapters needed in the HMC to manage three partitioned p5 systems?

- A. 0
- B. 1
- C. 2
- D. 3

Answer: A

20. A Web retailer wants to move a backend database application from their current HP server to an eServer p5 server. Which of the following industry standard benchmarks should be used to determine the appropriate eServer p5 model for their environment?

- A. rPerf
- B. TPC-C
- C. Linpack
- D. SPECweb99

Answer: B

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