



**Exam Code:** 000-238

**Exam Name:** P5 and pseries technical sales support

**Vendor:** IBM

**Version:** DEMO

## **Part: A**

1: What is a key advantage of the POWER5 technology over all other competitive offerings?

- A.POWER5 supports multiple operating systems.
- B.POWER5 supports more nodes in a clustered environment.
- C.POWER5 hypervisor has significantly less overhead than hardware partitioning.
- D.POWER5 has greater granularity of resources such as memory, processors and I/O.

**Correct Answers: D**

2: Which of the following support dynamic LPAR?

- A.AIX v5.1
- B.AIX v4.3.3
- C.SuSe Linux Enterprise Server 9 (SLES9)
- D.SuSe Linux Enterprise Server 8 (SLES8)

**Correct Answers: C**

3: A customer has two different applications, each requiring two processors. They are evaluating the following three alternatives:

- 1) Two p5-520s each with two processors and 4GB memory
- 2) One partitioned p5-550 with four processors and 8GB memory
- 3) One partitioned p5-570 with four processors and 8GB memory

All three solutions will work. However, when helping the customer decide which solution is best for their environment, the pSeries technical specialist should convey which of the following pieces of information?

- A.Solutions 2 and 3 allow for processor and memory CoD; however, both solutions require an HMC.
- B.Solutions 2 and 3 allow for sharing of physical resources when AIX 5.3 is implemented; however, both solutions require an HMC.
- C.All three solutions allow for sharing of physical resources when AIX 5.3 is implemented; however, solutions 2 and 3 require an HMC.
- D.All three solutions allow for processor and memory CoD; however, solutions 2 and 3 require an HMC.

**Correct Answers: B**

4: A customer needs a very small AIX system to run their new application and is considering a 1-way p615. What key information should the pSeries technical specialist provide to the customer?

- A.The 1-way p615 cannot be upgraded to a 2-way p615.
- B.The 1-way p615 can be upgraded to a 2-way p615 should additional capacity be required.
- C.The p615 can be upgraded to a POWER5-based processor.
- D.The p615 is not a good solution, as it does not take advantage of the Advanced POWER Virtualization features.

**Correct Answers: A**

5: A customer is debating whether to use Shared Ethernet versus Virtual Ethernet. Which of the following best describes a key difference between Shared and Virtual Ethernet?

- A. Shared Ethernet runs on POWER4 systems
- B. Virtual Ethernet runs on POWER4 systems
- C. Shared Ethernet requires a Virtual I/O server and Advanced Power Virtualization
- D. Virtual Ethernet requires a Virtual I/O server and Advanced Power Virtualization

**Correct Answers: C**

6: A p5-570 8-way 32GB system has been proposed to a customer as a new test system with four LPARs. The current applications are certified on AIX 5.2 but not yet on AIX 5.3. The customer wants to understand the advantages and disadvantages of this solution versus a pair of 4-way p5-550s with 16GB each in testing their current applications. Which of the following points should the pSeries technical specialist highlight?

- A. The p5-570 would save rack space over a pair of p5-550 servers.
- B. The p5-570 allows for more CPU and memory resources to be dynamically allocated to any LPAR for performance testing.
- C. The p5-570 can only be upgraded to 64GB of RAM without replacing memory.
- D. The p5-570 supports advanced features such as Micro-Partitioning and Virtual I/O allowing more LPARs of the customer's applications with fewer processors and fewer I/O adapters.

**Correct Answers: B**

7: The account team designed a p5-570 solution to strategically position the customer for future IBM announcements. The customer was dissatisfied upon implementing the solution. An AIX v5.1 partition was added to the requirements halfway through the solution design process and it was not considered in the final design. What should the pSeries technical specialist have done to prevent this situation?

- A. Submitted an RPQ (Request for Quote) for AIX v5.1 support on a p5-570
- B. Designed a p670 because it supports AIX 5.1 partitions
- C. Initially designed a solution supporting AIX 5.1 partitions
- D. Gained customer approval for the final design prior to ordering the system

**Correct Answers: D**

8: After months of negotiations and several proposals, the customer indicates that they may be ready to purchase a pSeries system. Rather than quickly ordering the last configuration proposed, what is the most appropriate next step for a pSeries technical specialist to improve the chance of a successful project?

- A. Obtain buy-in and feedback from the customer.
- B. First ask the client executive if financing has been arranged.
- C. Plan the installation and rollout schedule before ordering.
- D. Confirm that any additional requirements are handled by others.

**Correct Answers: A**

9: A customer is evaluating the purchase of a new p570 8-way Express to replace their current set of ten 2-way database and application servers that are more than five years old. In addition to

savings potential in the areas of operating system and database charges, what other significant savings component should be highlighted?

- A.Maintenance savings due to warranty on new machines
- B.Reliability savings of using one machine versus ten
- C.Financial savings due to cash outlays now versus later
- D.Power savings even if the current power usage is unknown

**Correct Answers: A**

10: Which of the following best describes Simultaneous Multi-threading (SMT)?

- A.A POWER5 microprocessor feature that allocates two processors to each application
- B.A Workload Manager feature that allows two processing threads to be executing on a single processor
- C.An AIX v5.2 feature that allows two processing threads to be executing on a single processor concurrently
- D.A POWER5 microprocessor feature that allows two processing threads to be executing on a single processor concurrently

**Correct Answers: D**

11: Which of the following is a key advantage of AIX v5.3 over AIX v5.2?

- A.Dynamic LPAR
- B.Micro-Partitioning
- C.Small Memory Real Mode
- D.Capacity Upgrade on demand for memory

**Correct Answers: B**

12: A customer is putting together a high-performance computing cluster of p655 nodes. They need a total of 48 processors and want to get the best performance possible out of those systems. They are evaluating four options and have asked the pSeries technical specialist to recommend which one would provide the best performance based on total rPerf. Their workload may grow over time. Which of the following should the pSeries technical specialist recommend?

- A.Twelve 4-way p655 nodes and add more as needed
- B.Six 8-way p655 nodes and add more as needed
- C.Six 4-way p655 nodes with four processors CoD on each node in case of growth
- D.Three 8-way p655 nodes with eight processors CoD on each node in case of growth

**Correct Answers: A**

13: A customer is running Oracle on a Sun server and requires an upgrade to improve performance. What competitive issues are appropriate in positioning pSeries server performance versus Sun for this customer?

- A.POWER5-based systems can run Oracle on version 8 of SuSe Linux while Sun systems cannot.
- B.The pSeries systems require fewer processors to provide the same level of performance, reducing total cost of ownership.
- C.POWER5-based systems can optionally be configured with a Virtual I/O server to reduce the number of IO adapters required.

D.A single pSeries system can be configured with multiple LPARs running Oracle RAC, improving availability without using separate systems.

**Correct Answers: B**

14: A customer had been given a proposal for a p5-570 6-way 32GB system running in Full Partition mode. After review, the customer asked that the configuration be modified to enhance the reliability and availability of the solution. However, the customer does not want to pay for HACMP or additional machines. What change would be most likely to improve the reliability of the solution?

A.Add CUoD memory.

B.Provide CUoD processors.

C.Provide redundant disks on separate SCSI buses.

D.Add redundant power supplies in the p5-570 CEC (Central Electronics Complex).

**Correct Answers: C**

15: A customer has ordered a rack, a p650, two p630s, and two p615s. During a conversation on installation planning, the pSeries technical specialist recognizes that the customer expects the rack to arrive as one unit. However, the specialist knows that the p650 will be racked, but the other systems will arrive separately. In fact, the other systems are CSU (Customer Set Up). Why should the specialist immediately inform the customer that additional racking is the customer's responsibility?

A.Because additional systems would require more power receptacles

B.Because the customer may need to do additional facilities planning

C.Because the customer needs additional funding to cover the services

D.Because postponing the eventual discussion will likely lead to customer dissatisfaction

**Correct Answers: D**

16: The account executive is asking about post-sales support for a new p5 HMC. They need the pSeries technical specialist to configure an HMC with software support for the customer. Which of the following should the specialist include in the configuration?

A.Supportline

B.ServiceSuite

C.Software Maintenance Agreement (SWMA)

D.Machine Control Program Remote Support Agreement (MCPRSA)

**Correct Answers: D**

17: A pSeries technical specialist has just returned from an internal course for implementing Micro-Partitioning on the POWER5 range of servers. There were many handouts from the course. To ensure the rapid transfer of the newly acquired skill, what should the technical specialist do?

A.Make copies of the course material and deliver the course in full to the technical team.

B.Make copies of the course material and hand them out to the technical team for them to read.

C.Become the Micro-Partitioning expert within the organization and act as the sole knowledge base.

D. Make copies of the course material and prepare a concise overview of the course to deliver to the technical team.

**Correct Answers: D**

18: The pSeries technical specialist of a Premier Tier 1 Business Partner has been working on a design for a four LPAR p5-570 Express solution. The specialist has received conflicting information regarding sharing the IDE DVD-RAM drive between different LPARs. Who should the technical specialist contact to gain a definitive answer?

A. IBM BPSO

B. IBM Partnerline

C. IBM Distributor

D. IBM Supportline

**Correct Answers: B**

19: A customer called and indicated that their p690 system did not come with any installation and user manuals. Which of the following sources can best provide this information?

A. IBM Redbooks

B. IBM Supportline

C. pSeries Library

D. pSeries College

**Correct Answers: C**

20: A customer has a new p5-550 running AIX 5.2 that is SAN-attached to a FAStT900. They have encountered hangs lasting over a minute on their new system during application load testing. They called the pSeries technical specialist for advice. Which of the following would be the most appropriate questions to determine their next step in resolving the problem?

A. Are there any errors in the error log? Do they indicate any hardware or software errors?

B. Has performance data been collected? What do the results show in terms of I/O statistics?

C. Has performance data been collected? What do the results show in terms of CPU utilization?

D. What type of SAN switch is the customer using? What are the microcode levels on the switch?

**Correct Answers: A**

21: The customer has recently installed a pSeries p5-570 with EMC attached disk storage. After installation, the customer complained that the disk access appeared to be too slow. How should the pSeries technical specialist best assist the customer?

A. Recommend the customer call EMC.

B. Recommend the customer call IBM hardware support.

C. Recommend the customer contact SupportLine.

D. Recommend the customer re-creates the volume groups.

**Correct Answers: C**

22: A customer needs a system supporting four partitions, each with the following requirements: ? 0.6 1.65GHz processors ? 2GB memory ? AIX 5.2 They also need the ability to grow the system in the future. Which pSeries system would be positioned best to meet this customer's

requirements?

- A.p5-550 with the Advanced POWER Virtualization feature and AIX 5.2
- B.p5-550 with the POWER5 processor technology and AIX 5.2
- C.p5-570 with the Advanced POWER Virtualization feature and AIX 5.3
- D.p5-570 with the POWER5 processor technology and AIX 5.2

**Correct Answers: D**

23: The pSeries technical specialist is concerned that the installed inventory for a p670 does not match what the customer says is installed. The specialist discovers that the customer has never updated their VPD. Which of the following HMC applications is used to gather the current VPD information?

- A.Service Processor
- B.Service Director
- C.Inventory Scout Services
- D.Service Focal Point

**Correct Answers: C**

24: A customer is planning to implement a Linux solution and is trying to decide whether the application should go on an xSeries 365 with a IA-32 processor or a p5-520 with a POWER5 processor. Which of the following questions would best help them make that determination?

- A.Is a 64-bit kernel needed?
- B.Is Samba going to be running?
- C.Will the application run in a cluster?
- D.Which Linux distribution will be run - Red Hat or SuSe?

**Correct Answers: A**

25: A customer is moving to AIX from a competitor's product. They need onsite assistance with the initial software installation of the new servers. Which of the following services offerings would be most appropriate to recommend?

- A.Consultline
- B.ServiceSuite
- C.Supportline
- D.SmoothStart

**Correct Answers: D**

26: A customer has requested a proposal for a p5-520 with AIX 5.2 and Sysback. There are no plans to run LPARs or Micro-Partitions on the p5-520 in the near future. The customer has asked the pSeries technical specialist to recommend anything else that may be needed. Which of the following should be recommended in this situation?

- A.HMC
- B.DVD-ROM
- C.Tape drive
- D.Network switch

**Correct Answers: C**

27: A customer has a p650 with a write-intensive database application. Recently the order entry team has complained about unusually slow response times. There have been no complaints from any other departments. Which of the following actions would most likely address the problem?

- A. Double the number of processors.
- B. Double the number of memory DIMMs.
- C. Double the number of network adapters.
- D. Double the number of SCSI buses and disks.

**Correct Answers: D**

28: A customer's data center has all POWER4+ systems, and they plan to add three new p5-570 systems. They will be purchasing a new 7310-CR2 HMC to support the POWER5 systems. What is a key requirement that they need to plan for with the new HMC?

- A. A desk, as it not rack mountable
- B. Ethernet connections to the POWER5 systems
- C. Serial connections to the POWER5 systems
- D. USB connections for the keyboard and mouse

**Correct Answers: B**

29: A customer wants to upgrade their existing 6-way p650 to an 8-way. The installed inventory shows the p650 as only a 4-way. What should the pSeries technical specialist do in order to best correct IBM inventory records?

- A. Submit an RPO-MES to add the missing 2-way processor card.
- B. Submit an MES order to add the missing 2-way processor card.
- C. Request VPD from the customer and then submit an RPO-MES request.
- D. Request VPD from the customer and then submit an MES order to add the missing 2-way processor card.

**Correct Answers: C**

30: The customer intends to install a 7315-CR2 into a p690 frame. What should the pSeries technical specialist tell the customer?

- A. The HMC is a 19" form factor.
- B. The HMC is a 24" form factor.
- C. The HMC requires a 100-120 volt power connection.
- D. The HMC requires a 200-240 volt power connection.

**Correct Answers: A**

31: A researcher needs to regularly analyze large quantities of data. They are interested in putting together a cluster of 16 UDB EEE partitions of four processors each for their data mining environment. Each UDB partition needs to be approximately 15 rPerf. Which of the following solutions would best fit their performance needs?

- A. p655 4-way nodes
- B. p655 8-way nodes
- C. p5-570 4-way nodes



D.p5-570 8-way nodes

**Correct Answers: A**

32: A customer has two locations that host their pSeries servers. Traffic is being routed through the public Internet. The customer needs to exchange confidential financial data between the servers. Which of the following solutions should the pSeries technical specialist propose to the customer to secure the data?

A.A DCE domain

B.A Kerberos domain

C.A PPP tunnel between the servers

D.An IPSEC tunnel between the servers

**Correct Answers: D**

33: A customer wants to run a Cluster 1600 configuration with multiple p655 servers. They are using the new High Performance Switch for the high-speed interconnection between nodes. Which of the following is the only supported cluster management software?

A.CSM

B.PSSP

C.GPFS

D.HACMP

**Correct Answers: A**

34: A global container shipping company has a new application that they are going to deploy on a p5-570 at their corporate data center. The Chief Information Officer indicates that, if the application is down for more than 36 hours, the cost of downtime is very high. For the initial 36 hours of downtime, the company has a manual process they can execute without significant additional cost. Which of the following products best mitigates the major business risk to the company?

A.IBM Business Continuity Services

B.HACMP and a second p5-570 for the data center

C.ServiceSuite Supportline with Account Advocate

D.ServiceSuite 9x5 next day Hardware Maintenance

**Correct Answers: A**

35: A customer plans to purchase a p5-570 that will run in SMP mode to host a large financial database on AIX 5.2. The application is sized for an 8-way 1.65-GHz machine. They do not currently have an existing HMC that supports p5 machines. This organization experiences unpredictable short-term spikes in processor utilization. To mitigate the risk to their business, they are interested in IBM's CoD offering. In addition to the 8-way system, what else should the pSeries technical specialist recommend to the customer?

A.Another p5-570 building block

B.Capacity Backup p5-570 building block

C.Another p5-570 building block and at least one HMC

D.Capacity Backup p5-570 building block and at least one HMC

**Correct Answers: C**

36: A customer is considering a second p690 at a second site for Disaster Recovery purposes. Which of the following On Demand offerings is most applicable in this environment?

- A.On/Off CoD
- B.Reserve CoD
- C.Permanent CUoD
- D.Capacity Backup

**Correct Answers: D**

37: The pSeries sales representative has done an excellent job in educating the customer on the benefits of working with IBM. The customer is planning to implement their first ERP application. This new application will be critical to running their business. The customer has only a competitor's UNIX system currently installed. They are interested in obtaining a proposal from IBM. In addition to the AIX hardware and HACMP software, what else should be included in the IBM proposal for the new ERP solution?

- A.I/T services and education to help with the implementation of the hardware and software
- B.A Supportline specialist to work directly with the customer to manage any issues that arise
- C.The services required to move the currently installed applications from the competitor's systems to the IBM systems
- D.A slimmed down solution to ensure that the IBM solution is less expensive than the competitor's solution

**Correct Answers: A**

38: A customer is purchasing a 12-way p5-570 to run light development workloads on eight AIX 5.3 partitions with two network adapters each. When the current network configuration was reviewed, it was discovered that they only have four Ethernet ports available on their network switch. Which of the following solutions would prevent them from having to buy another network switch or hub?

- A.Add two HMCs with two Ethernet adapters each and run EtherChannel for the original eight partitions.
- B.Add two HMCs with two Ethernet adapters each and run Virtual Ethernet for the original eight partitions.
- C.Add two hosting partitions with two Ethernet adapters each and run EtherChannel for the original eight partitions.
- D.Add two hosting partitions with two Ethernet adapters each and run Virtual Ethernet for the original eight partitions.

**Correct Answers: D**

39: A company has a large data center with hundreds of AIX and Linux OS images on both stand-alone and LPARed machines. They are likely to undergo some downsizing in the near future. The IT Director is concerned with their ability to manage the environment with fewer staff members. What software should the pSeries technical specialist recommend to the customer to provide for more efficient management, quicker provisioning, and monitoring?

- A.TSM
- B.CSM
- C.NIM
- D.PSSP

**Correct Answers: B**

40: A p5-550 with AIX 5.3 is being designed for availability. In addition to providing redundant adapters, which of the following should also be provided?

- A.Redundant processor pools, UPS, and HACMP
- B.Redundant service processors, HACMP, and mirrored AIX drives
- C.Redundant processor pools, redundant service processors, and HACMP
- D.Redundant power, redundant Virtual I/O Servers, and mirrored AIX drives

**Correct Answers: D**

41: A customer requires a deskside solution that they will rack-mount in the future. Space is at a premium. The solution must support two AIX 5.2 applications that require two processors each. Which of the following deskside configurations should the pSeries Technical Specialist recommend?

- A.One p5-550 4-way
- B.Two 2-way p5-520s
- C.One p630 4-way
- D.Two 2-way p615s

**Correct Answers: A**

42: A customer has budget sign-off to purchase a new p5-550 2-way server to replace their aging 2-way 7025-6F0. They like the advantages of the Simultaneous Multi Processing (SMT) ability of this server. Their application is certified at AIX 5.2 and is scheduled for AIX 5.3 certification in six months. The Chief Information Officer is concerned that they will lose the budget if they do not purchase the server this fiscal year. What is the most relevant and cost-effective advice the pSeries technical specialist can offer?

- A.Purchase a 4-way p630 to compensate for not using SMT.
- B.Purchase the p5-550 server and install AIX 5.2, which can be upgraded to AIX 5.3 later.
- C.Purchase the p5-550 server and install AIX 5.2 and enable SMT.
- D.Suspend the purchase of a new machine at this time and upgrade the current server to a 4-way server.

**Correct Answers: B**

43: Which of the following people does IBM recommend be involved with a Pre-Sales Solutions Assurance Review?

- A.The customer executive who is funding the project
- B.IBM Global Financing when they are financing the purchase
- C.Subject matter experts representing each component of the solution
- D.Hardware installation planning representative responsible for the installation

**Correct Answers: C**

44: What is the minimum number of virtual I/O server partitions needed to ensure high availability of the disks when utilizing the Virtual I/O server in a micro-partitioned solution?

- A.1
- B.2
- C.3
- D.4

**Correct Answers: B**

45: A customer needs a solution that provides a total of eight processors (four active and four inactive), 16GB of memory, Advanced POWER Virtualization, and the ability to grow. Which of the following systems should the pSeries technical specialist propose?

- A.p650
- B.p5-570
- C.Two p630s
- D.p5-570 Express

**Correct Answers: B**

46: Which of the following is required to connect a partitioned p5-550 to a modem?

- A.A modem adapter
- B.An async adapter and serial cable
- C.An Ethernet adapter
- D.A 9-pin to 25-pin converter and serial cable

**Correct Answers: B**

47: When designing a single tier AIX database solution for a customer, what other technical specialist would be most instrumental in putting together a total solution and why?

- A.xSeries specialist, as the customer may have some Intel-based systems.
- B.Hardware customer engineer, as they will be installing the entire solution.
- C.Services specialist, as they can provide education recommendations for the entire solution.
- D.Storage specialist, as the customer may need disk to store the data and tape to backup the data.

**Correct Answers: D**

48: Which of the following benchmarking ratings cover essentially the same performance metrics associated with commercial applications for IBM UNIX systems?

- A.TPC-C, ROLTP, rPerf
- B.TPC-C, Linpack TPP, TPM
- C.SPECint2000, SPECsfs97, SPECfp2000
- D.SPECint95, SPECint\_rate95, SPECfp\_rate95

**Correct Answers: A**

49: A customer wants to install a pSeries system into an OEM rack. What critical information is provided in the Site and Hardware Planning Information manual?

- A.System dimensions and weight, system power and cooling requirements, and list of supported

OEM racks

B. System dimensions and weight, list of supported OEM racks, and requirements for installing IBM systems into OEM racks

C. System performance specs, system power and cooling requirements, and requirements for installing IBM systems into OEM racks

D. System dimensions and weight, system power and cooling requirements, and requirements for installing IBM systems into OEM racks

**Correct Answers: D**

50: A space-constrained customer is currently running AIX 5.2 on a number of p650 servers and a pair of new p5-550 servers. They have four identical new applications each requiring a minimum of seven processors and 96GB of memory. Which solution would best meet the customer's requirements?

A. Two p670 servers

B. Four p650 servers

C. Two p5-570 servers

D. Four p5-550 servers

**Correct Answers: C**

51: A customer wishes to replace 12 older small UNIX systems. They are running out of floor space in their data center and any solution must take this into consideration. Assuming that the applications are supported on all AIX versions, which of the following would best meet the customer's requirements?

A. A p650 running AIX v5.3

B. A p5-550 running AIX v5.3

C. A p5-570 running Advanced POWER Virtualization

D. Multiple rack-mounted p615s running dynamic LPAR

**Correct Answers: C**

52: The pSeries technical specialist is designing a two LPAR p5-570 with eight total processors. The system is a test system to run AIX 5.2. The customer has stated a preference for internal disks for the boot devices. The customer has said they may later need to run three or four LPARs without increasing the number of processors. What should the pSeries technical specialist tell the customer about the ability of the p5-570 to meet their requirements?

A. It will require additional SCSI adapters and I/O drawers or external disks to support more than two LPARs.

B. It has sufficient built-in SCSI controllers and disk enclosures to support four total LPARs by only adding the necessary additional disks.

C. It is unable to use internal disks for LPARs and therefore additional adapters I/O drawers or external disks must be used to support all LPARs.

D. It can support six LPARs with internal disks but will require special features, cables and an adapter to support the additional LPARs with internal disks.

**Correct Answers: B**

53: What is the minimum number of p5-570 building blocks required to support 16 RIO drawers?

A.1

B.2

C.3

D.4

**Correct Answers: C**

54: A pSeries technical specialist has been asked to provide a server consolidation solution to replace several AIX servers running typical commercial database workloads. Benchmarks for

ERROR: rangecheck  
OFFENDING COMMAND: xshow

STACK:

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[48 50 53 59 24 44 24 22 36 48 49 53 59 29 44 21 36 48 49 53 59 24 44 43  
 36 39 34 36 63 39 24 2436 39 33 36 39 34 24 24 67 39 24 39 34 36 44 29  
36 58 64 44 53 47 36 39 43 44 36 28 49 39 29 29 36 39 29 38 36 39 43 39  
24 24 39 44 24 39 36 29 44 29 36 39 24 24 36 24 44 38 0 ]
```

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(  
SPECint, SPECfp, SPECjbb as well as estimates of ROLTP and rPerf are available for all  
)
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