IBM

Exam 000-107

Power Systems with POWER7 and AIX Technical Sales Skills - v1

Version: 6.6

[Total Questions: 108]

Topic 1, Volume A

Question No : 1 - (Topic 1)

How many total processor threads are possible when a customer migrates a workload requiring AIX 5.3 from an 8-core Power 550 to an 8-core Power 750?

A. 8
B. 16
C. 32
D. 64

Answer: B

Question No : 2 - (Topic 1)

A company is deploying several applications on IBM POWER6 and POWER7 Blade technology, and they want to move into a Fibre Channel over Ethernet

(FCoE) infrastructure. In addition to the required switches in the BladeCenter, which of the following is necessary to address the customer

requirement?

A. Install a 10Gbps 2-port Converged Network Adapter.
B. Install an 8Gbps 4-Port Converged Network Adapter card.
C. Install an Ethernet and 4Gbps Fibre Channel Expansion Card
D. Install Ethernet and fibre channel cards, connected into a converged switch

Answer: A

Question No : 3 - (Topic 1)

A customer has a large database server running online transactions where I/O performance has been the limiting factor for running business-critical

processes. Which statement correctly describes the use of Solid State Disks (SSDs) in this environment?

A. RAID-5 protection should be used on SSDs for best performance.
B. SSDs should be placed where sequential write access is the primary type of I/O.
C. Traditional hard disks can be concurrently replaced by SSDs, eliminating downtime.
D. SSDs offer better response time than traditional hard disks, reducing total transaction processing time.

Answer: D

Question No : 4 - (Topic 1)

A customer has hundreds of AIX LPARs and wants to simplify the process of upgrading the operating systems. What will support the customer

requirement?

A. mksysb
B. restore_vg
C. NIM environment
D. smit update_all

Answer: C

Question No : 5 - (Topic 1)

A customer would like to consolidate multiple database workloads to a single server to reduce TCO. What is the effect of PowerVM on TCO?

A. Reduces SAN cost
B. Reduces network cost
C. Reduces administration costs
D. Reduces software licensing cost

Answer: C

Question No : 6 - (Topic 1)

A customer would like to buy a new Power 750 and attach 2 PCIe I/O drawers. What is the minimum configuration which will support this?

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A. One processor card and one GX+ expansion card
B. Two processor cards and one GX++ expansion card
C. One processor card, one GX+ expansion card, and one GX++ expansion card
D. Two processor cards, one GX+ expansion card, and one GX++ expansion card

Answer: C

Question No : 7 - (Topic 1)

A customer has three 8-core servers at their office in a PowerHA cluster. Two of the servers actively support the database, and the third server is

in a backup/standby mode. What is the minimum number of PowerHA licenses required to support the environment?

A. 16
B. 17
C. 18
D. 24

Answer: B

Question No : 8 - (Topic 1)

A customer has a Power Systems 750 with PowerVM Standard Edition and Active Memory Expansion (AME). They have these LPARs defined:

   ✎ LPAR1 Running AIX 5.3 with the latest updates installed
   ✎ LPAR2 Running AIX 6.1 with the latest updates installed
   ✎ LPAR3 Running IBM i 6.1 with the latest updates installed
   ✎ LPAR4 Running SLES11 with the latest updates installed
In which LPARs is AME supported?

A. LPAR1
B. LPAR2
C. LPAR1 and LPAR3
D. LPAR2 and LPAR4

Answer: B

Question No : 9 - (Topic 1)

A potential customer plans to deploy a new application on a RISC-based server. They are considering UNIX offerings from IBM and Sun. Which of the

following statements are advantages of AIX over Solaris?

A. AIX supports journaled filesystems.
B. AIX supports a graphical management tool.
C. AIX has a suite of workload management and performance tools.
D. AIX supports application mobility without requiring a shut down.

Answer: D

Question No : 10 - (Topic 1)

What is the most up-to-date resource a Power Systems seller can use to verify if an adapter is supported on a POWER7 server?

A. Sales Manual
B. System Builder Redbook
C. Installation Planning Reference
D. Customer Specified Placement Tool

Answer: A

Question No : 11 - (Topic 1)

A customer wants to implement Oracle RAC and is comparing the features and benefits of using either raw devices or GPFS. What is a benefit of using

GPFS in this solution?

A. GPFS is included with AIX Standard Edition for 2-node clusters.
B. GPFS offers data protection by implementing a RAID-5-like storage allocation.
C. GPFS allows for a cluster with nodes running heterogeneous operating systems.
D. GPFS offers the performance capabilities of a raw device and the manageability of a file system.

Answer: D

Question No : 12 - (Topic 1)

After purchasing the Active Memory Expansion (AME) Enablement Feature, what tasks must be completed before AME can be used?

A. Enable using active partition properties with DLPAR.
B. Enter the activation key via the AIX 6.1 command line and reboot AIX.
C. Enter the activation key via the HMC, power cycle the managed system and start the LPAR.
D. Enter the activation key via the HMC, modify the partition profile, and restart the LPAR.

Answer: B

Question No : 13 - (Topic 1)

A customer has DB2 running on three POWER5 520s with AIX 5.2 and is planning to consolidate the systems on a new Power 740 with AIX 7.1. The customer is reviewing the RPE2 benchmark data to validate that the proposed solution will work. Why should rPerf be used instead of RPE2?

A. The rPerf benchmark is run on every server model to obtain performance data, while RPE2 frequently uses extrapolations.
B. rPerf includes the performance impact to AIX due to the introduction of new features, while RPE2 does not focus on software versions
C. The rPerf metric considers the number of cores, memory utilization by the applications, I/O transactions, and RPE2 only measures core performance.
D. rPerf is obtained by duplicating the production environment, representing the most accurate performance of the installed systems, and RPE2 uses analytical models.

Answer: A

Question No : 14 - (Topic 1)

What is one of the key benefits of Active Memory Sharing (AMS) to client LPARs?

A. Adds more memory using the On/Off Capacity on Demand feature

B. Assigns memory using DLPAR capability according to workload priority
C. Adds additional memory using the Permanent Capacity on Demand feature
D. Adjusts memory dynamically allocation depending on workload characteristics

Answer: D

Question No : 15 - (Topic 1)

System software for the Power 770 is licensed at what tier?

A. HPC
B. Small
C. Large
D. Medium

Answer: D

Question No : 16 - (Topic 1)

A customer is considering a highly available infrastructure for its SAP application. They have one 48-core Power 770 server running multiple AIX 6.1

partitions for database and application server functions. All the partitions must recover with the same processing capacity. In addition to storage

and networking at a secondary location, what must be added to provide for automatic recovery after a total failure at the primary site?

A. Two Power 750 systems, plus DB2 pureScale for database and application partitions on both systems.
B. One Power 770 system, plus PowerHA SystemMirror Enterprise Edition for database and application partitions on both systems.
C. One Power 750 for each of the database and application partitions, plus PowerHA SystemMirror Standard Edition licenses for all systems.
D. One Power 770 system, plus DB2 pureScale running the database partition and Tivoli Systems Automation for the application partitions on both systems.

Answer: B

Question No : 17 - (Topic 1)

Which POWER7 internal storage option improves performance, reduces response time, and increases mission critical OLTP application productivity?

A. 15K RPM SAS drives
B. Solid State drives
C. 15K RPM SATA drives
D. USB Removable drives

Answer: B

Question No : 18 - (Topic 1)

Which of the following PowerHA SystemMirror for AIX Enterprise Edition statements is correct?

A. It can scale up to 1024 cluster nodes.
B. It provides for application failover without downtime.
C. It allows data replication via TCP/IP and host-based remote mirroring.
D. It requires all partitions in a system to run the same AIX version and technology level.

Answer: C

Question No : 19 - (Topic 1)

When differentiating LPARs and WPARs, which statement is correct?

A. WPARs share only operating system resources.
B. LPARs share only operating system resources.
C. WPARs share operating system and hardware resources.
D. LPARs share operating system and hardware resources.

Answer: C

Question No : 20 - (Topic 1)