000-105

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Exam A

QUESTION 1
Which of the following is the correct business intelligence solution to present when competing against Oracle Exadata?

A. IBM Cloudburst
B. IBM DB2 pureScale
C. IBM Smart Analytics
D. IBM Business Analytics

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 2
What is a key function of Workload Partition Manager?

A. Replication of AIX and Linux partitions
B. Movement of WPARs across multiple systems
C. Live migrations of AIX and Linux partitions
D. Installation of virtual images from a centralized library

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 3
A medical research company runs compute-intensive applications. The company has reviewed systems from SUN, HP and IBM. Which benchmark should be recommended?

A. TPC-H
B. ROLTP
C. SPEChpc
D. Linpack

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 4
A customer has been told that SUN has more experience in virtualization than IBM. How can the Power Systems representative refute this statement?

A. Sun virtualization technologies are licensed from IBM.
B. Sun virtualization experience is based solely on VMware.

C. IBM has more than 40 years of experience in virtualizing customer environments.
D. Sun and IBM use Open Source code as the basis for their virtualization technologies.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 5
What is an advantage of IBM Workload Partitions over Solaris Containers?

A. Micropartitions
B. Virtual I/O Server
C. Live application mobility
D. Multiple shared processor pool

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 6
A prospective customer is running an application that can run on either AIX or Solaris. They would also like to add some Linux applications. They are considering either a SUN M4000 or a Power Systems 750. What should a Power Systems sales representative discuss with the customer?

A. Both systems support Linux, however the M4000 does not support virtualization with Linux
B. AIX 6.1 can run Linux in a native mode whereas SUN uses an emulator to run Linux on the M4000
C. Power Systems servers can run AIX, Linux and PowerVM Lx86. The SPARC-based M4000 does not support Linux.
D. Linux is supported as a guest operating system on Power Systems running AIX 6.1 or later. SUN does not support Linux on its SPARC-based systems

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 7
An AIX customer has four POWER4 systems and wants to move to POWER7. Which benchmark should the customer use to compare the POWER4 systems to POWER7 systems?

A. CPW
B. TMP
C. rPerf
D. ROLTP

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 8
A customer is purchasing a number of POWER7 systems and has expressed the need to move AIX workloads from one system to another. Which of the following is the minimum necessary to support the customer requirement?

A. AIX 6.1 Basic Edition
B. AIX 6.1 Express Edition
C. AIX 6.1 Standard Edition
D. AIX 6.1 Enterprise Edition

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 9
A customer needs to move applications between servers to balance the load without affecting application availability. What should be recommended to the customer?

A. PowerVM Standard Edition
B. AIX 6.1 Enterprise Edition
C. Load Leveler Enterprise Edition
D. General Parallel File System

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 10
Which of the following is an architectural advantage of Power Systems over Sun systems?

A. Power Systems can run AIX, Linux, IBM i, or Sun Solaris.
B. The I/O connectivity is consistent on all Power Systems models.
C. Power Systems provides binary compatibility from POWER5 to POWER 6 to POWER7.
D. PowerVM provides consistent functionality across all POWER5, POWER6, and POWER7 models.

Correct Answer: C
Section: (none)

Explanation

Explanation/Reference:

QUESTION 11
When identifying the best operating system for a key application, which aspects are common to AIX, IBM i, and Linux?

A. Pricing, since AIX, IBM i, and Linux are priced the same.
B. Support, since AIX, IBM i, and Linux all can be supported by IBM.
C. Virtualization, since PowerVM features are supported equally by AIX, Linux and IBM i.
D. System management, since System Director functions are supported equally by AIX, Linux, and IBM i.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
modified

QUESTION 12
How does the AIX Journaled File System improve operating system uptime?

A. Processes multiple threads simultaneously in each core
B. Enables creation of redundant copies of data in the file system
C. isolates multiple application workloads in a shared operating system
D. Provides a rapid method of restarting and recovering the file system

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
modified

QUESTION 13
A customer purchased a Power 750 Server running AIX 6.1 Express Edition. What is the largest LPAR that can support?

A. 4 cores
B. 8 cores
C. 16 cores
D. 32 cores

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 14
A customer is purchasing a new POWER7 system and wants to know what is included in the Software Maintenance Agreement. Which of the following is correct?

A. Education, training and support
B. Automatic AIX version upgrade downloads
C. Performance monitoring and health check
D. AIX version upgrades and telephone technical support

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 15
Which of the following is a key benefit of Workload Partitions (WPARs)?

A. Reduces the risk of unplanned downtime caused by operating system failures
B. Reduces the amount of time required to identify workload performance issues
C. Reduces the administrative workload required to manage individual partitions
D. Reduces the per-core software licensing costs associated with micro-partitions

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 16
Which of the following describes the pricing options for Linux on Power Systems servers?

A. Linux is priced by core.
B. Linux is no charge from IBM.
C. Linux has Small/Medium/Large pricing similar to AIX.
D. Linux pricing varies by certified distribution and is priced by sockets or by servers.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 17
Which of the following is true of Active Memory Expansion?

A. It can be enabled using the HMC.
B. It requires applications to be recompiled.
C. It works on POWER7 hardware and AIX 5.3 and later.
D. It can be activated using IVM (Integrated Virtualization Manager).

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

modified

QUESTION 18
Which of the following is the correct business intelligence solution to present when competing against Oracle Exadata?

A. IBM Cloudburst
B. IBM DB2 pureScale
C. IBM Smart Analytics
D. IBM Business Analytics

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 19
Which of the following is an advantage of a Power Systems solution over an Oracle Exadata V2 solution?

A. Power Systems uses solid-state storage for databases.
B. Power Systems supports multiple operating systems and versions of Oracle.
C. Power Systems runs databases and applications in the same logical partition.
D. Power Systems supports any Linux distribution, Oracle only supports Oracle Enterprise Linux.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 20
An HP representative has told a prospective customer that Itanium systems are based on industry standard processors and IBM uses a proprietary processor. What statement demonstrates the industry acceptance of POWER processors?

A. UNIX-based ISV solutions are developed on POWER processors.
B. POWER processors are supported by Solaris, Linux, Windows, and AIX.
C. IEEE endorses POWER processors as the standard for Internet computing.
D. POWER processors are used by leading game systems and automobile manufacturers.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 21
Which of the following is an architectural advantage of Power Systems over Sun systems?

A. Power Systems can run AIX, Linux, IBM i, or Sun Solaris.
B. The I/O connectivity is consistent on all Power Systems models.

C. Power Systems provides binary compatibility from POWER5 to POWER 6 to POWER7.
D. PowerVM provides consistent functionality across all POWER5, POWER6, and POWER7 models.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 22
A company plans to add servers and applications to support a new service offering. They are interested in IBM and would like to attend a Power Systems briefing. In order to properly qualify this opportunity, what question should be asked first?

A. What are the names and versions of the new applications?
B. How much floor space and energy capacity will be available?
C. Who are the people that are expected to attend the briefing?
D. Does the IT staff have adequate skill to support Power Systems servers?

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 23
What extra benefit does AIX Enterprise Edition offer customers who are interested in Tivoli Application Dependency Discovery Manager and Tivoli Monitoring?

A. Facilitates rapid deployment of new workloads to meet changing business demands
B. Automates complex processes to ensure server operations fit within policies and compliance
C. Includes integration between the products which is not available in the standalone products
D. Minimizes training requirements by automating tasks through a simple command line interface

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 24
A customer plans to implement a Linux application that requires several x86 servers because of memory and core requirements. The customer opposes Linux on Power because he already has Linux on x86 skills. How can the Power Systems sales representative overcome this objection?

A. The Linux x86 distribution can run on Power Systems servers.
B. Linux on x86 skills are interchangeable with Linux on Power.
C. Education is available from IBM to bridge Linux on x86 skills to Linux on Power.
D. Linux on Power includes compatibility features which exploit Linux on x86 skills.

Correct Answer: A
Section: (none)

Explanation

Explanation/Reference:

QUESTION 25
Which of following is the minimum PowerHA System Mirror product that is appropriate for a customer that requires multisite recovery?

A. Entry Edition
B. Express Edition
C. Standard Edition
D. Enterprise Edition

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 26
A construction company is trying to decide whether to purchase Power Systems servers or large x86 servers for several new SAP applications. Which of the following will offer more efficient resource utilization and make the Power Systems proposal more competitive?

A. Active Memory Expansion can dynamically allocate more memory from available CoD memory resources.
B. Shared Memory Pools improve overall physical memory utilization between multiple dedicated partitions.
C. Active Memory Sharing can be used to decrease the amount of system memory required to support multiple partitions.
D. Memory Protection Key technology provides maximum performance and availability when used in multi-user ERP environments.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 27
What extra benefit does AIX Enterprise Edition offer customers who are interested in Tivoli Application Dependency Discovery Manager and Tivoli Monitoring?

A. Facilitates rapid deployment of new workloads to meet changing business demands
B. Automates complex processes to ensure server operations fit within policies and compliance
C. Includes integration between the products which is not available in the standalone products
D. Minimizes training requirements by automating tasks through a simple command line interface

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 28
A customer has a requirement to run eight Oracle database instances, each with eight cores. Which of the following AIX editions will support this requirement at least cost?

A. AIX Basic
B. AIX Express
C. AIX Standard
D. AIX Enterprise

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 29
A customer has presented data to the Power Sysetms seller that indicates a 20% SPECint performance advantage when using a competitive x86 server for commercial workloads. How should the Power Systems seller respond?

A. Explain that SPECint is specific to x86 commercial workloads.
B. SPECint benchmarks should only be used for high performance computing analysis.
C. The performance analysis should be done on a core-to-core basis, not on a system basis.
D. Show multiple benchmark results and present that POWER7 is a balanced architecture system.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 30
What is a key advantage of Active Memory Expansion?

A. Memory can be moved between LPARs.
B. Memory can be hot added in active partitions.
C. Memory can be increased beyond physical limits.
D. Memory buffering can be doubled to increase performance.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 31
What is a difference between Active Memory Expansion (AME) and Active Memory Sharing (AMS)?

A. AME is an optional feature of POWER7 and AMS is a no charge feature of POWER7
B. AME is a hardware feature of POWER7 and AMS is a feature of PowerVM Enterprise Edition
C. AME is a standard feature of AIX and AMS is a optional feature of PowerVM Standard Edition
D. AME is no charge feature of POWER7 and AMS is a no charge feature of AIX Enterprise Edition

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 32
Which functionality does an Application WPAR provide in AIX?

A. Isolates individual applications
B. Supports dedicated processors and virtual adapters
C. Provides live mobility functionality between like systems
D. Optimizes efficiency of applications when live mobility is not needed

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 33
What is a benefit of using Workload Partitions?

A. Improved application security by sharing access to the partitions
B. Reduced cost by assigning virtualized resources to each application environment
C. Maximized performance by preventing workloads from competing for the same resources
D. Increased application availability by allowing Live Partition Mobility in a virtualized environment

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 34
A customer who will run virtualized mixed workloads would like to compare the performance of a POWER7 server versus a competitive x86 server. What is the best way to provide the performance differentiation?

A. Present rPerf data for both systems.
B. Present SPECint data for both systems.
C. Present analysis results based on RPE2 data for both systems.
D. Present benchmark information based on a sub-set of the workloads.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 35
Which benefit does the Storage Key feature of AIX provide?

A. Encrypts the data in a file system
B. Helps reduce memory-related errors
C. Provides rapid recovery of failed disks
D. Simplifies implementation of security policies

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 36
A customer is moving 32-bit x86 Linux applications to Linux on a Power Systems server. How will PowerVM Lx86 benefit the customer?

A. Applications can be implemented without recompiling.
B. Applications are extended to exploit 64-bit addressability.
C. Applications gain a higher level of software error recovery.
D. Applications perform significantly faster on the Power Systems server.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 37
What is a benefit of running Linux on a Power System server rather than on lower cost x86 server?

A. Power Systems support more peripheral devices.
B. Power Systems provide significantly better security.
C. The solution exploits features necessary for mission critical workloads.
D. The solution supports all of the RAS features implemented in IBM Power Systems.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 38
Why is it beneficial to run DB2 on an AIX system?

A. AIX and DB2 are licensed together in the AIX Enterprise Edition.
B. AIX and DB2 exploit POWER7 technologies to provide improved scaling.
C. AIX and DB2 are developed by the same development team and share common code.
D. AIX and DB2 enhance failure analysis through shared application recovery routines.

Correct Answer: B
Section: (none)
Explanation

QUESTION 39
A customer requiring a business intelligence solution receives a proposal on Oracle Exadata. Which IBM solution should be proposed as a competitive offering?

A. IBM eCommerce
B. IBM Cloudburst
C. IBM DB2 pureScale
D. IBM Smart Analytics

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 40
A customer has a POWER5 550 running AIX 5.2 without software support and needs to transfer the AIX license to a Power 750. Which procedure will achieve the customer's needs?

A. Upgrade to AIX 5.3 or 6.1 and then transfer the software.
B. Purchase the AIX upgrade PRPQ for customers without software maintenance.
C. Order AIX for the 750 and submit a special bid requesting credit for the cost of AIX 5.2.
D. Purchase an IGS software contract, upgrade to AIX 5.3 or 6.1, and then transfer the software.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 41
How is AIX software maintenance (SWMA) acquired with the purchase of a new Power 730 server with AIX?

A. SWMA is optional and can be ordered at a later date.
B. Express server offerings include three years of no-charge SWMA.
C. SWMA is automatically ordered with the purchase of the AIX license.
D. A separate service contract is required to order the initial SWMA service.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 42
What should be analyzed when choosing between running a key ISV application on AIX, Linux, or IBM i?

A. The primary development platform of the application

B. The availability of compilers for each operating system
C. The ability of the application to run on the operating system
D. The frequency of application updates for each operating system

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 43
What key differentiator would influence a customer to choose either AIX or Linux?

A. Support options
B. Scalability factors
C. Performance per core
D. Application availability

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 44
A prospective customer is considering an ERP application that can run on AIX, Solaris, and HP-UX. The environment will require multiple systems. The customer is concerned about meeting their service level agreements if a system must be brought down for planned maintenance. Which AIX based solution will address the customer's concern?

A. VMControl
B. PowerHA System Mirror
C. Live Application Mobility
D. Concurrent Hardware Maintenance

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 45
An HP representative tells a prospective customer that Itanium systems are based on industry standard processors, and IBM uses a proprietary processor. Which statement demonstrates the industry acceptance of POWER processors?

A. POWER processors are supported by HPUX, Linux, and AIX.
B. UNIX-based ISV solutions are developed on POWER processors.
C. IEEE endorses POWER processors as the standard for Internet computing.
D. POWER processors are used by leading game systems and automobile manufacturers.

Correct Answer: C

QUESTION 46
A customer is planning to convert all applications to Linux on x86 systems. The customer does not have UNIX skills and does not want to consider AIX. What should be discussed with the customer to demonstrate the advantages of Linux on Power?

A. Once an application is converted to Linux, it will also run on Power Systems.
B. UNIX skills are easy to acquire, and AIX is significantly more stable than Linux.
C. The total cost of Power Systems running Linux is less expensive than an x86 server.
D. Power Systems support Linux and provide higher performance and capacity than x86 servers.

Correct Answer: D

QUESTION 47
Based on memory and core requirements, a customer plans to acquire several x86 servers to implement a Linux application. The customer has expertise working with x86 Linux and is opposed to using Linux on Power. How can the Power Systems sales representative overcome this objection?

A. x86 Linux skills are interchangeable with Linux on Power.
B. The x86 Linux distribution can run on Power Systems servers.
C. Education is available from IBM to bridge x86 Linux skills to Linux on Power.
D. Linux on Power includes compatibility features that exploit x86 Linux skills.

Correct Answer: B

QUESTION 48
A trucking company is planning to converge its DB2, MS SQL, and Oracle databases to a single database product. Which offering will help the company move to the converged environment?

A. IBM Migration Toolkit
B. Rational Power Appliance
C. PowerVM Enterprise Edition
D. VMcontrol Migration Manager

Correct Answer: A

QUESTION 49
Which architectural feature is a competitive advantage of Power Systems over HP Integrity systems?

A. ECC memory
B. Multi-core chip
C. Simultaneous multithreading
D. Alternate Processor Instruction retry

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 50
A research firm wants to evaluate Linux on a Power Systems 795 for a development project. The configuration requires Linux partitions with shared I/O resources. Which set of Power virtualization support options should be used to meet these requirements?

A. Dedicated Shared Resources, AMS, NPIV, SDMC
B. Micro partitions, Virtual I/O server, HMC, VLAN
C. Live Partition Mobility, Virtual I/O Server, DLPARs, HMC
D. Integrated Virtual Ethernet, Shared Processor Pool, Virtual I/O Server, IVM

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 51
A Power Systems customer plans to update their SAN and Ethernet network to eliminate single points of failure and reduce outages. Which solution supports the customer's requirements?

A. Systems Director Network Control to provide redundant Ethernet, VLAN and SAN Fabric support
B. PowerVM Enterprise Edition to support dual Converged Network Adapters and Fibre Channel over Ethernet
C. PowerVM Standard Edition implementing redundant VIO servers, each having redundant Ethernet adapters and HBAs
D. Systems Director Enterprise Edition with Insight Manager to manage multiple distributed switch fabric environments

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 52
A customer has Power 780s in two data centers that are 50km apart and needs a disaster recovery solution. Which solution will meet the customer's needs while minimizing cost?

A. PowerFlex
B. Capacity BackUp

C. PowerVM Enterprise Edition
D. PowerHA Enterprise Edition

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 53
A local retailer with two systems in their data center requires 24x7 availability and support for unplanned
outages. Which solution should be recommended?

A. PowerVM Enterprise Edition
B. PowerVM Live Partition Mobility
C. PowerHA System Mirror Express Edition
D. PowerHA System Mirror Standard Edition

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 54
A company has a one-week time span during which an end-of-year batch process must be completed without
causing an outage. Which Capacity on Demand function should the IBM representative recommend to the
customer?

A. Trial Capacity on Demand
B. On/Off Capacity on Demand
C. Capacity Upgrade on Demand
D. Utility Capacity on Demand

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 55
What are the advantages of Power Systems virtualization compared to VMware virtualization?

A. Virtual and Dedicated I/O
B. Micro partitioning and processor sharing
C. Memory expansion and larger partition size
D. Dynamic resource allocation and Virtual LAN

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 56
A Sun customer is considering purchasing a new Power Systems server. The customer likes Solaris Containers function and wants to know if IBM has anything similar. What IBM technology is similar in function to Solaris Containers?

A. Logical partitions
B. PowerVM partitions
C. Workload partitions
D. Dedicated partitions

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 57
What extra benefit does AIX Enterprise Edition offer customers who are interested in Tivoli Application Dependency Discovery Manager and Tivoli Monitoring?

A. Provides a user interface to enable basic high-availability functionality
B. Facilitates rapid deployment of new workloads to meet changing business demands
C. Automates complex processes to ensure server operations fit within policies and compliance
D. Includes integration between the products which is not available in the standalone products

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference: