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Vendor: IBM

Exam Code: C4040-122

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Version: Demo

QUESTION NO: 1

A Power 740 customer with 4 cores licensed to AIX is planning to add 4 additional cores and a partition for IBM i. They have sized the new IBM i workload at 1.7 cores and AIX will use the other 6.3 cores. What software will be necessary to enable this solution'?

- A.** PowerVM Standard Edition licensed for 8 cores
AIX Standard Edition licensed for 7 cores
IBM i licensed for 2 cores
- B.** AIX Enterprise Edition licensed for 6 cores
IBM i licensed for 2 cores
- C.** PowerVM Express Edition licensed for 8 cores
AIX Express Edition licensed for 7 cores
IBM i licensed for 2 cores
- D.** PowerVM Standard Edition licensed for 8 cores
AIX Standard licensed for 6.3 cores
IBM i licensed for 1.7 cores

Answer: A

Explanation:

QUESTION NO: 2

A customer has let their Software Maintenance (SWMA) expire and needs to activate additional processors on their Power 770. What does the customer need to purchase?

- A.** Additional licenses for the new processors.
- B.** New licenses for the both the existing and new processors.
- C.** After License Fee for both the new and the old processors.
- D.** Additional licenses for the new processors and After License Fee for the existing processors.

Answer: D

Explanation:

QUESTION NO: 3

A sales professional is engaged in a competitive sales situation against a non-IBM solution that is unfamiliar to them. Which resource should be engaged first?

- A.** CompeteLine
- B.** Migration Factory

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- C. TCO analysis tools
 - D. Pre Sales Advisor tool

Answer: A

Explanation:

QUESTION NO: 4

A customer has several dedicated LPARs. The key application in one LPAR temporarily needs more processing power. How can performance be improved?

- A. Mirror the LPAR to a second system
- B. Add a second LPAR to the application
- C. Change dedicated LPARs to shared LPARs
- D. Reduce the number of LPARs on the system

Answer: C

Explanation:

QUESTION NO: 5

Which of the following can be used to provide a basis for proving that Power Systems have a lower cost of ownership than x86 systems?

- A. rPerf and CPW measurements
- B. Analysis report from the Alinean Tool
- C. ISV recommendations and lower IBM financing costs
- D. White papers that illustrate IBM's leadership technology

Answer: B

Explanation:

QUESTION NO: 6

An existing IBM customer needs to acquire a new Power Systems server with the following characteristics:

- Must support 12 processor cores

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- Must accommodate the largest number of adapters in the system unit
 - Must fit within 4U of existing rack space

Which of the following should be proposed'?

- A. Power 720
- B. Power 730
- C. Power 740
- D. Power 750

Answer: C

Explanation:

QUESTION NO: 7

What energy capability of Power Systems can be used in data centers to restrict server energy consumption, especially in cases where the data center might be nearing the limit of the energy it can provide?

- A. Power Capping
- B. EnergyScale for I/O
- C. Processor Core Nap
- D. Dynamic Power Saver

Answer: A

Explanation:

QUESTION NO: 8

What is the minimum HMC model required to manage POWER7 or POWER7+ servers?

- A. 7310-CR2
- B. 7310-CR3
- C. 7310-CR4
- D. 7042-CR5

Answer: B

Explanation:

QUESTION NO: 9

A Chief Financial Officer (CFO) has requested a brief review of an IBM Power proposal before providing final approval. Which of the following are key topics that should be included in the executive summary?

- A. How Power Systems supports customer objectives Acquisition cost Total Cost of Ownership
- B. Acquisition cost Listing of software products How Power Systems supports customer objectives
- C. Power Systems overview Proposed financing Total Cost of Ownership
- D. Power value proposition Acquisition cost Hardware features

Answer: A

Explanation:

QUESTION NO: 10

Which of the following features demonstrate the versatility of Power Systems?

- A. Support for RAID-1 thru 5
PCIe Gen 2 expansion drawers
- B. Choice of AIX, IBM i and Linux
Ability to run Windows in a WPAR
- C. Highly efficient partition virtualization
Virtualized I/O with redundancy
- D. Support for LDAP
Support for Oracle applications on PowerLinux

Answer: C

Explanation:

QUESTION NO: 11

Which of the following Power Systems servers offer Capacity on Demand (CoD)?

- A. Power 71Y, 7R2
- B. Power 770, 780, 795
- C. Power 720, 740, 750
- D. Power 750, 755, 770

Answer: B

Explanation:

QUESTION NO: 12

A prospective customer is running a database application that cannot be upgraded. They plan to replace it with a DB2-based server environment that can scale in the future.

The prospect has asked why anyone would choose Power Systems servers when Intel-based servers cost less. Which of the following is an effective response?

- A.** DB2 on Power Systems delivers more than ten times the throughput per core than on Intel due to exploitation of SMT.
- B.** Core for core, Intel-based servers have more expensive DB2 software licensing costs when compared to Power Systems.
- C.** Power Systems servers offer a lower TCO due to greater processor power, virtualization technologies and both horizontal and vertical growth.
- D.** Power Systems servers offer superiority in energy-management technologies and use dramatically less energy while generating much less heat.

Answer: C

Explanation:

QUESTION NO: 13

A customer with a 15TB data base needs very fast data access to approximately 15% of that data. Which storage solution below supports the customer requirements?

- A.** Solid State Drives in the internal disk bays
- B.** Solid State Drives and SAS disk drives, in an external SAN utilizing Easy-tier
- C.** 900GB SAS disk drives implemented in an external I/O drawer to 2 GX++ busses
- D.** Solid State Drives and SAS drives mixed internally with virtualized access using VIO Server

Answer: B

Explanation:

QUESTION NO: 14

Which of the following describes benefits that Power Systems servers might offer to a customer administering a growing number of Intel-based Linux servers?

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- A.** Consolidating on PowerLinux servers would run multiple Linux applications on fewer systems.
 - B.** PowerLinux servers manage both POWER-based and Intel-based Linux servers from a single console.
 - C.** PowerVM on PowerLinux servers enables a consolidation of up to 10 Intel virtual machines per POWER core.
 - D.** PowerLinux servers with SMT4 can execute up to 5 instructions per cycle, reducing the number of servers needed.

Answer: A

Explanation:

QUESTION NO: 15

An existing Power Systems client has implemented an SAP application with the financial, database and web serving applications on separate POWER5+ servers.

A Power 760 proposal to consolidate all three POWER5+ systems using LPARs has been presented.

The CIO has stated that only the unpredictable performance of the web server justifies replacement. What should the response be?

- A.** The Power 760 offers Linux web serving for higher performance
- B.** Split the web server into multiple LPARs for better performance on the new Power 760
- C.** Consolidation onto one Power 760 using dedicated LPARs to support the three environments
- D.** Consolidation onto one Power 760 offers the ability to dynamically move virtual system resources to the web server when required.

Answer: D

Explanation:

QUESTION NO: 16

A customer has a Power 720 with an expansion unit. The disk slots in the CEC and the expansion drawer are full. The customer wants to add SSD capacity.

Which of the following is the most economical option for the customer?

- A.** Install an SSD disk riser in the Power 720 CEC
- B.** Install PCIe SSD SAS adapter to support SSDs without using disk slots
- C.** Install a SAS RAID adapter and an optional disk riser in the CEC to support SSDs.
- D.** Install an SSD enablement feature and a second expansion unit on the Power 720 to house the

SSDs

Answer: B

Explanation:

QUESTION NO: 17

Which of the following statements is true regarding IBM PowerLinux servers?

- A. PCIe adapter cards can be hot-pluggable in the system unit (CEC).
- B. PowerVM is included at no charge in the initial order of PowerLinux servers.
- C. Initial cost of acquisition is lower for those customers who will only run Linux.
- D. Red Hat and/or SuSe distributions are included at no charge in the initial order

Answer: C

Explanation:

QUESTION NO: 18

Which of the following measures, monitors, and manages electrical and thermal components of IBM servers, storage and networking equipment?

- A. Active Energy Manager
- B. Tivoli Monitoring Director
- C. Intelligent AC power distribution units
- D. Power Environment Measuring Probe

Answer: A

Explanation:

QUESTION NO: 19

A CIO has asked for a comparison of the performance between Power Systems servers running AIX and HP-UNIX servers. Which benchmark should be discussed?

- A. rPerf
- B. TPC
- C. MIPS

D. CPW

Answer: B

Explanation:

QUESTION NO: 20

What is a function found in PowerVM that has no equivalent function in VMware?

- A. Remote Restart
- B. Partition Mobility
- C. Memory Sharing
- D. Processor virtualization

Answer: C

Explanation:

QUESTION NO: 21

An AIX customer who has a POWER6 570 with PowerVM Enterprise Edition plans to upgrade to a POWER7+ 770.

Applications moving from the POWER6 570 to the POWER7+ 770 must remain available.

Which option will support minimal outage to the application environment?

- A. Install Smart Cloud Entry on the POWER7+ 770 and use the integrated migration tool to move the application into the cloud.
- B. Install the POWER7+ 770 and use Live Partition Mobility to move the applications from the POWER6 570.
- C. Install PowerHA System Mirror on both the POWER6 570 and the POWER7+ 770 and do a failover.
- D. Perform a disk copy on the POWER6 570 and restore the image on the POWER7+ 770.

Answer: B

Explanation:

QUESTION NO: 22

A prospective customer who is considering Power Systems has a very small staff and wants to run a CRM application. What operating system should be proposed?

- A. AIX because of its operational flexibility
- B. IBM i because of its operational characteristics
- C. Linux because it uses open source management
- D. Portable Application Solutions Environment because it supports multiple environments

Answer: B

Explanation:

QUESTION NO: 23

What is a key benefit of SmartCloud offerings?

- A. Lowers customer administrative costs
- B. Reduces the need for data deduplication
- C. Provides higher levels of provisioning security
- D. Enables multiple companies to share end-user application licenses

Answer: A

Explanation:

QUESTION NO: 24

What functional characteristic is common between the PureFlex p260 compute node and the Power 720 server?

- A. Two processor sockets
- B. Industry standard PCIe slots
- C. Accommodates internal disk drives
- D. Includes PowerVM Standard Edition

Answer: C

Explanation:

QUESTION NO: 25

Which of the following is a unique competitive strength that the POWER Hypervisor has when compared to x86 server hypervisors such as vSphere, Xen, KVM and Hyper-V?

- A. POWER Hypervisor is fault-tolerant.
- B. POWER Hypervisor supports multi-threading.
- C. POWER Hypervisor requires less total disk space.
- D. POWER Hypervisor has never had a reported security breach

Answer: D

Explanation:

QUESTION NO: 26

Systems Director simplifies IT systems administration by reducing which of the following?

- A. The frequency of system updates
- B. The time to diagnose critical problems
- C. The amount of required virtual resources
- D. The number of management tools and interfaces

Answer: D

Explanation:

QUESTION NO: 27

A pre-sales Technical Delivery Assessment is required for which of the following systems?

- A. Power 770, 780, and 795
- B. Power 760, 770, 780, and 795
- C. Power 750, 760, 770, 780, and 795
- D. Power 720, 740, 750, 760, 770, 780, and 795

Answer: A

Explanation:

QUESTION NO: 28

Which of the following Power Systems design functions allows the system to identify situations

which can result in a system outage?

- A. Light Path Diagnostics
- B. Electronic Service Agent
- C. First Failure Data Capture
- D. Alternate Processor Recovery

Answer: C

Explanation:

QUESTION NO: 29

Which of the following models is offered in either a tower or rack-mounted configuration?

- A. 710
- B. 7R2
- C. 720
- D. 740

Answer: C

Explanation:

QUESTION NO: 30

Why would a customer choose a Power Systems Express Server over a non-Express server?

- A. Express Servers are delivered faster.
- B. Express Servers offer Express service and support at no charge.
- C. Express Servers have fixed configurations and are easier to order.
- D. Express Servers have a lower list price than equivalently configured build to order systems.

Answer: D

Explanation:

QUESTION NO: 31

How does Instruction Retry help a customer achieve maximum reliability?

-
- A. Continually retries a failing instruction until it works properly to preclude an application failure
 - B. Isolates failing instructions and provides an interface for the administrator to enter an alternative instruction and retry it
 - C. Prevents an application failure by moving the failing application instruction to an alternative server and re-executing the instruction there
 - D. Enables an instruction to re-execute if there is an error, to preclude intermittent core errors from causing an immediate application failure

Answer: D

Explanation:

QUESTION NO: 32

Which tool will help create a strong ROI case for a server consolidation opportunity?

- A. The AlineanTool
- B. Economic Replacement Tool
- C. Consolidation Discovery and Analysis Tool
- D. SmartCloud Enterprise Monthly Cost Estimator

Answer: A

Explanation:

QUESTION NO: 33

A customer needs to run a single Linux application at the lowest cost. The application requires 8 cores and 320GB memory Which Power Server should be recommended?

- A. POWER7+710
- B. POWER7+730
- C. PowerLinux Systems 7R1
- D. PowerLinux Systems 7R2

Answer: D

Explanation:

QUESTION NO: 34

A customer needs 2 Power Systems servers, each with at least 12 cores. Which of the following

servers supports this requirement while using the least amount of rack space?

- A. Power 710 Express
- B. Power 720 Express
- C. Power 730 Express
- D. Power 740 Express

Answer: C

Explanation:

QUESTION NO: 35

An IT manager plans to purchase a new Power 770 System with multiple LPARs. This company previously had a bad experience with a non-IBM solution that was missing several necessary hardware components when first acquired. Which resource below emulates an LPAR configuration and validates that the planned partitions are valid?

- A. TechDocs
- B. InfoCenter
- C. Workload Estimator
- D. Systems Planning Tool

Answer: D

Explanation:

QUESTION NO: 36

What is a reason that POWER7 technology can provide higher throughput than Xeon x86 technology?

- A. POWER7 supports more DIMM slots than x86.
- B. POWER7 has higher redundancy of registers than x86.
- C. POWER7 supports more virtualization technologies than x86.
- D. POWER7 supports 4 threads per core, while Xeon supports only 2.

Answer: D

Explanation:

QUESTION NO: 37

What is the benefit of using the Active Memory Expansion feature in Power Systems servers?

- A. Memory capacity will virtually be doubled.
- B. Memory will be disk-cached to improve performance.
- C. Memory will be allocated to an LPAR to improve performance.
- D. Memory contents are compressed to allow for greater utilization.

Answer: D

Explanation:

QUESTION NO: 38

A system needs 3TB of disk storage, based on plans for expansion The storage manager of the IT department would like to use thin provisioning to make best use of storage space What disk technology would provide this type of capability?

- A. Storwize V7000 with RAID-5
- B. Dual VIO Server with storage pooling
- C. EXP30 with SAS drives using EasyTier
- D. Logical Volume Mirroring with RAID-1 on internal SSD

Answer: A

Explanation:

QUESTION NO: 39

An HMC is required under which circumstances?

- A. If partition mobility is required
- B. If dual VIO Servers are required
- C. If PureFlex chassis are being managed
- D. If System Director is managing virtual resources

Answer: B

Explanation:

QUESTION NO: 40

A prospective customer is about to decide on a strategic server platform and wants to understand the value proposition of Power Systems as compared to x86 based systems. Which statement is an appropriate response?

- A.** Lowest cost of implementation with non-stop computing capabilities
- B.** Systems with the ability to support Unix, Linux and Windows environments
- C.** Highest performing servers with the ability to use industry standard parts for lowest cost build to order configuration
- D.** Full range of servers, operating systems, support, vertical scalability, and virtualization technologies from a single vendor

Answer: D

Explanation:

QUESTION NO: 41

An existing Power Systems customer wants to run Java programs, and they know that Java is now owned by Oracle. The customer has asked how they can run Java programs on a Power Systems server. What is the appropriate response?

- A.** Java programs need to be compiled to run natively in AIX.
- B.** Java programs run natively in AIX, IBM i and Linux partitions.
- C.** Java runtime licenses can be downloaded from the open source community.
- D.** Workload management subsystems in IBM i run Java programs without the requirement of a separate LPAR.

Answer: B

Explanation:

QUESTION NO: 42

When moving an HP-UX based application workload from an HP Superdome onto a Power Systems server, which operating system will provide the easiest transition'?

- A.** AIX
- B.** IBM i
- C.** Red Hat Enterprise Linux
- D.** SuSe Linux Enterprise Server

Answer: A

Explanation:

QUESTION NO: 43

The VP of marketing for a clothing distributor explained that the IT department is looking at Hadoop-based technologies to help the company better understand customer buying trends and behavior. What IBM solution specifically applies to this type of environment?

- A. pureScale
- B. BigInsights
- C. SmartCloud
- D. PureSystems

Answer: B

Explanation:

QUESTION NO: 44

What is a unique RAS characteristic of Power Systems Enterprise servers compared to Power Systems Express servers?

- A. Dynamic Processor Sparing
- B. Dynamic Processor Deallocation
- C. Dynamic Processor Error Recovery
- D. Dynamic Service Processor Failover

Answer: D

Explanation:

QUESTION NO: 45

Which Power Systems feature or capability is a significant contributor in TCO analysis?

- A. Capacity on Demand capability
- B. Upgrade processes between models
- C. Ability to run multiple operating systems
- D. More efficient rack space requirements

Answer: C

Explanation:

QUESTION NO: 46

A prospective customer has a large quantity of x86 servers. What value is gained by consolidating onto Power Systems servers?

- A. Improved VMware reliability and availability
- B. Higher system utilization and lower energy costs
- C. Improved performance by running Windows in WPARs
- D. Savings on software since PowerVM is included in the price of Express servers

Answer: B

Explanation:

QUESTION NO: 47

What solution can be deployed to enable maintenance on a server while ensuring that a mission critical LPAR remains operational?

- A. Use PowerSC to insure continuous uptime on another server.
- B. Use PowerVM Enterprise Edition to move the partition to another server.
- C. Use Active Memory Sharing to enable the LPAR to continue running on the current server
- D. Use VMControl Enterprise Edition to suspend and resume the application on the current server.

Answer: B

Explanation:

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