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**Vendor:**IBM

**Exam Code:**C1000-031

**Exam Name:**IBM Power Systems Scale-Up Technical  
Sales

**Version:**Demo

### QUESTION 1

Which of the following statements is true regarding Dynamic Logical Partitioning (DLPAR)?

- A. In a disaster, it will immediately move active LPARs from a local system to a remote system, over the network with only a pause in service.
- B. In a disaster, it will immediately move active LPARs from a local system to another local system, using a common SAN, with only a pause in service.
- C. It enables the relocation of resources such as CPU and memory between LPARs as required, without an interruption in service.
- D. It will automatically allocate an unlicensed processor to an LPAR to replace one that has reached the threshold for errors.

Correct Answer: D

Reference: <http://ibmsystemsmag.com/aix/administrator/lpar/dynamic-lpar---the-way-to-the-future/?page=2>

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### QUESTION 2

Which HMC alternative will support a migration from a Power System E880 to a Power System E980?

- A. 7042-CR9 with firmware V8
- B. 7042-CR7 with firmware V8
- C. 7042-CR8 with firmware V8
- D. 7042-CR6 with firmware V8

Correct Answer: D

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### QUESTION 3

Which of the following RAS features is always enabled and functional on a Power System E950 / E980, regardless of configuration?

- A. Dynamic Memory Sparing
- B. Processor Instruction Retry
- C. Dynamic Processor Sparing
- D. System auto-restart

Correct Answer: B

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#### QUESTION 4

A customer has ordered a Power System E980. The system has been built, but cannot be shipped.

What would prevent the system from being shipped?

- A. The mandatory pre-install TDA has not been completed.
- B. The IBM System Support representative has not completed the pre-install site visit.
- C. The opportunity owner has not released it.
- D. A pre-sale TDA discovered correctable issues that have not been corrected.

Correct Answer: D

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#### QUESTION 5

A customer has used Trial Capacity on Demand on their Power System E980 for two months to test the effect of activating two additional cores and 32GB of additional memory for their SAP LPAR. Being satisfied with the test result, they bought a permanent activation of two cores and 32GB memory.

They now want to do another short test that requires the activation of one additional core.

Which option provides the most cost-effective solution?

- A. Use Static Activation.
- B. Use Utility Capacity on Demand.
- C. Use Trial Capacity on Demand again.
- D. Use Mobile Activation.

Correct Answer: B

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#### QUESTION 6

A customer has a 40 core Power System E980 and would like to use Mobile Capacity on Demand.

What is the minimum of static processor activations that are required?

- A. 10
- B. 12
- C. 20
- D. 8

Correct Answer: D

Reference: <https://www-01.ibm.com/common/ssi/cgi->

### QUESTION 7

A customer has a mission-critical IBM i application running on a POWER9 processor-based server that requires eight processor licenses. For High Availability, a POWER9 CBU server is synchronized with the production server using PowerHA for IBM i.

What is the minimum number of IBM i processor licenses required on the CBU server?

- A. 2
- B. 4
- C. 1
- D. 8

Correct Answer: C

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### QUESTION 8

A customer would like to have the ability to dynamically adjust processor and memory allocations for a virtual machine. They are currently running VMware and Linux on x86.

What is a benefit of using PowerVM over VMware on x86?

- A. Processors and memory can be dynamically added, although VM must be rebooted to remove memory.
- B. Processors and memory can be dynamically added.
- C. Processors and memory can only be dynamically removed but not dynamically added.
- D. Processors and memory can be dynamically added and removed.

Correct Answer: A

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### QUESTION 9

An IBM Business Partner is designing a production system for SAP HANA with multiple virtual machines.

Which feature of a Power System E980 server is an advantage over an x86 server for the customer?

- A. Memory bandwidth and Level 4 cache
- B. 12-way simultaneous multithreading
- C. Takes advantage of DDR3 memory
- D. Number of cores per socket

Correct Answer: A

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#### **QUESTION 10**

A customer has four AIX VMs, each running a different application that needs simultaneous read/write access to the same files.

Which of the following products should be recommended?

- A. Power HA Enterprise Edition
- B. Spectrum Scale
- C. Spectrum Protect
- D. Power HA Standard Edition

Correct Answer: A

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#### **QUESTION 11**

A client has a Power System E950 running a critical AIX-based trading application that needs continuous availability during their busy season. They are planning to purchase a second Power System E950.

Which of the following offerings will provide a solution that will minimize unplanned downtime?

- A. IBM Spectrum Scale
- B. Live Partition Mobility
- C. Dual VIOS in the Power System E950s in a shared storage pool
- D. PowerHA SystemMirror

Correct Answer: D

Reference: [http://www-05.ibm.com/de/events/breakfast/pdf/IDC-White-Paper\\_IBM-Power-Systemsresillancy-RAS.pdf](http://www-05.ibm.com/de/events/breakfast/pdf/IDC-White-Paper_IBM-Power-Systemsresillancy-RAS.pdf)  
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#### **QUESTION 12**

A customer with critical up-time requirements is comparing POWER9 processor-based servers.

Which RAS feature is found only on the Power System E980?

- A. Redundant Service Processors
- B. Hot swap fans
- C. Chipkill memory
- D. Split backplane

Correct Answer: A

Reference: [http://www-01.ibm.com/common/ssi/ShowDoc.wss?docURL=/common/ssi/rep\\_sm/3/877/ENUS9080-\\_h03/index.html&request\\_locale=en](http://www-01.ibm.com/common/ssi/ShowDoc.wss?docURL=/common/ssi/rep_sm/3/877/ENUS9080-_h03/index.html&request_locale=en)