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Practice Questions

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Exam : **HPE3-CL15**

Title : Compute Portfolio Exam

Version : DEMO

1.In the new Intel Xeon 6 CPUs within HPE ProLiant Gen 12 servers, what does E core stand for?
A. Elastic core
B. Economy core
C. Efficiency core
Answer: C
Explanation:
Intel Xeon 6 processors offer E-cores (Efficiency cores), optimized for power efficiency and high-density, scale-out workloads.

2.In the new Intel Xeon 6 CPUs within HPE ProLiant Gen 12 servers, what does P core stand for?
A. Premium core
B. Power saving core
C. Performance core
Answer: C
Explanation:
Intel Xeon 6 P-cores (Performance cores) are optimized for high performance per core, making them ideal for compute-intensive workloads requiring strong single-threaded performance.

3.A customer is targeting 8 GB/core with two CPUs, each with 96 cores, 12 memory channels per CPU, and one DPC.
Which configuration meets these requirements?
A. 12 DIMMs of 128 GB each (total 1,536 GB)
B. 24 DIMMs of 64 GB each (total 1,536 GB)
C. 48 DIMMs of 32 GB each (total 1,536 GB)
Answer: B
Explanation:
Two 96-core CPUs provide 192 cores, requiring 1,536 GB of RAM to achieve 8 GB/core. With 12 memory channels per CPU and one DIMM per channel (1 DPC), 24 × 64 GB DIMMs populate all 24 channels, maximizing memory bandwidth while meeting the capacity requirement.

4.Which statement is correct about the enablement of the second OCP slot and PCIe slot 6 in an HPE ProLiant Compute DL340e Gen12?
A. The use of Intel R1S Rich I/O CPUs is required.
B. NVIDIA accelerator cards are not allowed.
C. The use of an HPE NS204i-u Boot Device is required.
Answer: A
Explanation:
The HPE ProLiant Compute DL340e Gen12 requires an Intel Xeon 6 Rich I/O processor and the appropriate PCIe enablement kit to support the second OCP slot and expanded PCIe connectivity. Rich I/O processors provide the additional PCIe lanes needed for these configurations.
Reference:
https://www.hpe.com/psnow/downloadDoc/HPE%20ProLiant%20Compute%20DL340e%20Gen12%20QuickSpecs-a50014651enw.pdf

5.What are the benefits of the HPE ProLiant Gen12 single socket server compared to the two socket server?

A. Reduced number of supported PCIe slots

B. Reduced licensing cost for selected software

C. Reduced number of supported AI accelerator cards

Answer: B

Explanation:

HPE ProLiant Gen12 single-socket servers can reduce licensing costs for software licensed per processor or socket. They provide a cost-effective solution while maintaining strong performance for workloads that do not require two processors.