



# *Hitachi*

*HCE-3700*

*Hitachi Vantara Certified Expert - Performance Architect*

## Questions & Answers PDF

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### Question: 1

What are two appropriate criteria for evaluating a batch job performance? (Choose two.)

- A. elapsed time and/or throughput (MBs, IOPS)
- B. storage response time
- C. customer requirements
- D. host initiators utilization

**Answer: AB**

### Question: 2

You are evaluating storage system performance for an interactive workload. What are three appropriate criteria in this situation? (Choose three.)

- A. customer requirements
- B. throughput (MBs)
- C. elapsed time
- D. storage system response time
- E. resource utilization (% busy)

**Answer: BCD**

### Question: 3

A 10K RPM Small Form Factor 600 GB disk drive has a 3 ms average rotational latency and a 4 ms average seek time. How many random read IOPS would you expect from a 4D+4D RAID group using these drives before any consideration for cache hits or queuing optimization benefits?

- A. approximately 570 IOPS
- B. approximately 1,140 IOPS
- C. approximately 1,530 IOPS
- D. approximately 2,280 IOPS

**Answer: D**

### Question: 4

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Which two environments are suitable for cost effective use of Hitachi Accelerated Flash disk media? (Choose two.)

- A. Online Analytical Processing (OLAP) data warehouse
- B. Online Transaction Processing (OLTP) with HDT
- C. large scale Consumer Video on Demand (CVOD)
- D. Virtual Desktop (VDI)

**Answer: AB**

### Question: 5

How many back-end disk operations are normally required to complete a small block random write operation to a LUN on a RAID 5 group?

- A. 2
- B. 3
- C. 4
- D. 6

**Answer: C**

### Question: 6

In a VSP G200 system, what are two advantages of RAID 1+0 compared to RAID 5/6 for random write workloads? (Choose two.)

- A. RAID 1+0 provides more useable capacity per for the same number of drives.
- B. RAID 1+0 has less processing overhead.
- C. Disk virtualization is lower.
- D. RAID 1+0 has more efficient pre-fetch operation.

**Answer: AC**

### Question: 7

Which three functions are performed by a VSP G1000 Virtual Storage Director (VSD)? (Choose three.)

- A. It executes host I/O requests.
- B. It calculates parity.
- C. It manages cache segment usage.
- D. It moves data to/from cache.

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E. It executes software such as HDP or copy products.

<b>Answer: ACD</b>
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