Question 1

A customer wants to add a new flash-based tier to an existing HDT pool. You refer to the Tier properties chart to determine if the workload in a disk-based HDT pool is a good candidate for adding a new and higher flash tier.

In this scenario, what does the chart tell you?

Options:

A- The utilization line starts at a low level and gradually climbs to a high spike at the extreme right-hand side.

B- The utilization line starts at a medium level on the left side and fails away slowly.

C- The utilization line stays at a high level until half way across the chart then drops sharply.

D- The utilization line starts at a high level on the left side then drops away sharply.

Answer:

A

Question 2

A mission critical SQL server application that resides in a three-tier HDT pool is showing response time spikes that may be related to I/O activity.

Which three Hitachi Tuning Manager reports would you use to determine the problem? (Choose three.)

Options:

A- IOPS by dataset.

B- IOPS by V-Vol

C- IOPS by pool

D- IOPS by tier

E- IOPS by parity group

Answer:

C, D, E

Question 3

Question Type: **MultipleChoice**

A user reports fluctuating LUN response times every day between 8:00 AM and 9:00 AM as users arrive and log in.

How do you identify this condition using Hitachi Tuning Manager?

Options:

A- View LUN response times and RAID group utilization (% busy) averaged over the 60 minutes.

B- View the random write counts every minute.

C- View LUN response times and RAID group utilization (% busy) every minute.

D- View LUN response times and correlate against the Cache Write Pending level every 15 minutes.

Answer:

A

Question 4

Question Type: MultipleChoice

You need to run a benchmark test to verify the performance of a new multi-user database storage

implementation before loading the real data.

What are three features you will need in the benchmark/workload generator to accomplish this task? (Choose three.)

Options:

A- variation of thread count

B- variation of sequential and random access

C- variation of RAID level

D- variation of HBA queue depth

E- variation of read and write

Answer:

C, D, E

Question 5

Which two UNIX commands provide metrics about disk device I/O activity? (Choose two.)

Options:

A- perfmon

B- iogen

C- iostat

D- sar

Answer:

C, D

Question 6

Question Type: MultipleChoice

A customer with a VSP G1000 is using HDT with SAS 15K drives and external storage. The customer wants the daytime response-sensitive workload to benefit from tiering. They also want to minimize the impact of relocations on the daytime operation itself.

In this scenario, which action will satisfy the requirements?

Options:

A- Enable monitoring only during the daytime hours (9:00 AM to 5:00 PM) and only enable relocation at other times.

B- Disable monitoring during daytime hours (9:00 AM to 5:00 PM)

C- Enable active flash so that all relocations can be completed in short bursts.

D- Use continuous mode with a 30-minute cycle time and define relocation during daytime hours (9:00 AM to 5:00 PM) with a low relocation speed.

Answer:

A