EXAM DESCRIPTION

Hitachi Data Systems Qualified Associate - Storage Concepts HQT-0050 Exam	
Description:	This vendor-neutral test will validate that the successful candidate has knowledge of storage technology and concepts. The test covers data management and storage systems, components and technologies, networking, business continuity and replication, virtualization, file-and-content management, performance and protocols.
Audience:	This vendor-neutral exam is for anyone interested in storage technology. IT professionals who seek knowledge on storage, and junior IT professionals looking to carve out a career path and looking to focus on storage are ideal candidates for this exam. College and university students and recent graduates will gain a head start on their IT careers by earning this Storage Concepts qualification.
Supporting material:	"Storage Concepts: Storing and Managing Digital Data" by Hitachi Data Systems Academy or CCI0110 Storage Concepts course (2d ILT / vILT)
Exam type:	Qualification
Format:	Non-proctored, open-book exam
Credential:	Hitachi Data Systems Qualified Associate - Storage Concepts
Delivery:	The exam is available through the Kryterion Webassessor system.
Questions:	35
Passing score:	65%
Duration:	60 minutes
Cost:	US$75

Test Objectives	
Section 1	**IT infrastructure**
1.1	Describe the types of storage demands in today's marketplace.
1.2	Identify storage issues and data center infrastructure challenges.
1.3	Describe ways to achieve energy-efficient, ecologically aware storage implementation.
Section 2	**Storage and storage-networking components**
2.1	Identify storage-networking components.
2.2	Describe data-storage HDD components and characteristics.
2.3	Describe types of disk interfaces.
Section 3	**Storage architecture and protocols**
3.1	Identify different RAID technologies.
3.2	Describe the SAN architecture.
3.3	Describe the NAS architecture.
3.4	Describe common storage protocols.
Section 4	**Storage networking**
4.1	Describe networking concepts.
4.2	Define networking terms.
4.3	Describe storage-networking protocols.
4.4	Describe the purpose of SAN zoning.
Section 5	**Business continuity and replication**
5.1	Describe the benefits of data replication.
5.2	Identify in-system replication techniques and benefits.
5.3	Identify remote-replication techniques and benefits.
5.5	Describe data center replication strategies.
Section 6	**Virtualization**

6.1	Identify storage-virtualization techniques.
6.2	Describe tiered-storage environments.
6.3	Describe thin-provisioning concepts.
6.4	Identify storage and cache logical-partitioning techniques.
Section 7	**File and content**
7.1	Identify file, objects and metadata.
7.2	Identify data-life cycle management strategies.
7.3	Identify content-management benefits.
Section 8	**Storage management**
8.1	Describe storage-management functions.
8.2	Identify storage-performance criteria.

Hitachi Data Systems

Corporate Headquarters
2845 Lafayette Street
Santa Clara, CA 95050-2639 USA
www.HDS.com | **community.HDS.com**

Regional Contact Information
Americas: +1 866 374 5822 or info@hds.com
Europe, Middle East and Africa: +44 (0) 1753 618000 or info.emea@hds.com
Asia Pacific: +852 3189 7900 or hds.marketing.apac@hds.com

T/Pankievich_March_2017