HCIA-Storage V5.0 Version Instructions

Version	Owner	Date	Instructions
V4.5	Shui Shaolan/00329529	2020/8/31	Enabled V4.5 training materials, lab guidebooks, and exam questions.
V5.0	Liang Shuai/00569373	2022/10/31	Enabled V5.0 training materials, lab guidebooks, and exam questions. V5.0 will be released on October 31, 2022, and V4.5 will become unavailable from April 30, 2023. The old and new versions coexist for 6 months.

This document is applicable to version refreshed certification products. It is used to compare the new and old versions of the training materials, lab guidebooks, and detailed changes of the test. It is necessary to specify the added, deleted, and optimized contents of the knowledge points and their proportions.

1. Training Material Change Instructions

In the course unit, each training material needs to add a page of training material change instructions to introduce the material change points (optimization, addition, or deletion) relative to the old material.

Training material 1: Storage Technology Trends

Knowledge Point	V4.5	V5.0	Change Instructions
1. Storage Technology Trends	10%	5%	Optimized descriptions of storage product trends.

Training material 2: Basic Storage Technologies

Knowledge Point	V4.5	V5.0	Change Instructions
1. Intelligent Storage Components	10%	15%	Optimized the structure and added descriptions of intelligent data storage systems and storage system scaling methods.
2. RAID Technologies	15%	10%	Optimized the structure and matched new product technologies.
3. Common Storage Protocols	15%	15%	Optimized the structure, deleted descriptions of FCoE and IB protocols, and added descriptions of RoCE, HTTP, FTP, cross-protocol access, object storage, and HDFS storage protocols.

4. Storage System Architecture	8%	0%	Optimized the structure and deleted the storage system architecture section.
5. Storage Network Architecture	9%	10%	Optimized the content of the old version, such as the DAS definition.
6. Huawei Intelligent Storage Products	3%	0%	Optimized the structure and moved the descriptions of Huawei intelligent storage products to the third module.

Training material 3: Huawei Intelligent Storage Products and Features

Knowledge Point	V4.5	V5.0	Change Instructions
1. Huawei Intelligent Storage Products and Features	10%	5%	Optimized the structure, matched new product technologies, added descriptions of the storage product panorama, scale-out storage, hyper-converged storage, and backup storage, and deleted descriptions of edge data storage.
2. Storage System Operation Management	15%	5%	Optimized the structure and added descriptions of the multipathing module.
3. Storage Resource Tuning Technologies and Applications	15%	10%	Optimized the structure and added descriptions of resource tuning features such as SmartCache, SmartAcceleration, and SmartVirtualization.
4. Storage Data Protection Technologies and Applications	8%	15%	Optimized the structure, added descriptions of data protection features such as HyperLock and HyperCDP, and deleted descriptions of HyperReplication and HyperMetro.

Training material 4: Storage System O&M Management

Knowledge Point	V4.5	V5.0	Change Instructions
1. Storage System O&M Management	2%	10%	Optimized the structure and matched new product technologies.
2. Backup Solution Introduction	2%	0%	Optimized the structure and deleted the backup solution section.
3. DR Solution Introduction	3%	0%	Optimized the structure and deleted the DR solution section.

Lab Guide Change Instructions

In Word, each lab guide needs to add a page of lab guide knowledge point change instructions to introduce the knowledge change points (optimization, addition, or deletion) of the lab guide relative to the old lab guide.

HCIA-Storage V5.0 Lab Guide:

Knowledge Point	V4.5	V5.0	Change Instructions
1. Storage Technology Trends	10%	5%	Optimized descriptions of storage product trends.
2. Basic Storage Technologies	60%	50%	Added descriptions of the intelligent data storage system and the object storage protocol.
3. Common Advanced Storage Technologies	20%	0%	Moved descriptions of common advanced storage technology modules to the Huawei intelligent storage products and features.
4. Storage Business Continuity Solutions	5%	0%	Deleted descriptions of storage business continuity solutions.
5. Storage System O&M Management	5%	10%	Added descriptions of the Huawei storage O&M architecture and SystemReporter tool.
6. Huawei Intelligent Storage Products and Features	0%	35%	Added descriptions of advanced storage features and storage system O&M optimization.

2. Test Content Change Instructions

3.1 HCIA-Storage certification test content:

Knowledge Point V4.5		Knowledge Point V5.0		Change Instructions
1. Storage Technology Trends	10%	1. Storage Technology Trends	5%	Optimized the descriptions of storage technology trends, accounting for 5%.
2. Basic Storage Technologies	60%	2. Basic Storage Technologies	50%	Consolidated the old version and focused on the popularization of basic storage technologies, accounting for 50%.
3. Common Advanced Storage Technologies	20%	3. Huawei Intelligent Storage Products and Features	35%	Matched new products and optimized descriptions of common storage product features and technologies, accounting for 35%.
4. Storage Business Continuity Solutions	5%	4. Storage Business Continuity Solutions	0%	Matched new products, optimized technologies and solutions, and deleted the content of this module, accounting for 0%.
5. Storage System O&M Management	5%	5. Storage System O&M Management	10%	Matched new products and O&M tools, and optimized the basic knowledge of O&M management processes and O&M tools, accounting for 10%.