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# DELL TECHNOLOGIES D-DS-OP-23

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**Dell Technologies Data Scientist and Data Engineering Optimize  
Certification Questions & Answers**

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Exam Summary – Syllabus – Questions

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**D-DS-OP-23**

**[Dell Technologies Certified Data Scientist and Data Engineering Optimize 2023](#)**

**60 Questions Exam – 63% Cut Score – Duration of 90 minutes**

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## Know Your D-DS-OP-23 Certification Well:

The D-DS-OP-23 is best suitable for candidates who want to gain knowledge in the Dell Technologies Data Science. Before you start your D-DS-OP-23 preparation you may struggle to get all the crucial Data Scientist and Data Engineering Optimize materials like D-DS-OP-23 syllabus, sample questions, study guide.

But don't worry the D-DS-OP-23 PDF is here to help you prepare in a stress free manner.

The PDF is a combination of all your queries like-

- What is in the D-DS-OP-23 syllabus?
- How many questions are there in the D-DS-OP-23 exam?
- Which Practice test would help me to pass the D-DS-OP-23 exam at the first attempt?

Passing the D-DS-OP-23 exam makes you Dell Technologies Certified Data Scientist and Data Engineering Optimize 2023. Having the Data Scientist and Data Engineering Optimize certification opens multiple opportunities for you. You can grab a new job, get a higher salary or simply get recognition within your current organization.

## Dell Technologies D-DS-OP-23 Data Scientist and Data Engineering Optimize Certification Details:

Exam Name	Dell Technologies Certified Data Scientist and Data Engineering Optimize 2023
Exam Code	D-DS-OP-23
Exam Price	\$230 (USD)
Duration	90 mins
Number of Questions	60
Passing Score	63%
Books / Training	<a href="#">Data Scientist and Data Engineering Optimize Training</a>
Schedule Exam	<a href="#">Pearson VUE</a>
Sample Questions	<a href="#">Dell Technologies Data Scientist and Data Engineering Optimize Sample Questions</a>

Practice Exam	<a href="#"><u>Dell Technologies D-DS-OP-23 Certification Practice Exam</u></a>
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## D-DS-OP-23 Syllabus:

Topic	Details	Weights
The Role of the Data Engineer	<ul style="list-style-type: none"> <li>- Describe the skills of a data engineer</li> <li>- Describe the role of a data engineer in a data analytics project</li> </ul>	5%
Data Warehousing with SQL and NoSQL	<ul style="list-style-type: none"> <li>- Describe characteristics and performance considerations of a relational database</li> <li>- Describe relational database schemas and normalization techniques</li> <li>- Describe use cases and features of various NoSQL tools</li> </ul>	17%
Extract-Transform-Load (ETL) Offload with Hadoop and Spark	<ul style="list-style-type: none"> <li>- Describe ETL, ELT, and related schedulers</li> <li>- Describe the Hadoop ecosystem, HDFS, and data ingestion tools</li> <li>- Describe Apache Spark and its architecture</li> </ul>	18%
Data Governance, Security and Privacy for Big Data	<ul style="list-style-type: none"> <li>- Describe data governance, key roles, and related models</li> <li>- Describe metadata and Master Data Management</li> <li>- Describe security considerations with Hadoop and the Cloud</li> <li>- Describe the uses of Apache Atlas, Ranger, and Knox</li> <li>- Describe privacy regulations and ethics</li> </ul>	20%
Processing Streaming and IoT Data	<ul style="list-style-type: none"> <li>- Describe uses and application of IoT tools</li> <li>- Describe the Apache Storm system and topology</li> <li>- Describe the Apache Kafka queueing system and architecture</li> <li>- Describe Apache Spark - Streaming processing and architecture</li> <li>- Describe Apache Flink and its architecture</li> <li>- Describe Pravega and its storage architecture</li> <li>- Describe EdgeX Foundry and its architecture</li> </ul>	20%
Building Data Pipelines with Python	<ul style="list-style-type: none"> <li>- Describe Python, reasons to use, and its libraries</li> <li>- Describe the use of lists, dictionaries, tuples,</li> </ul>	20%

Topic	Details	Weights
	sets, and strings - Describe the use of Apache Airflow - Describe data pipeline best practices	

## Dell Technologies D-DS-OP-23 Sample Questions:

### Question: 1

You are designing a database for an e-commerce data warehouse. The data is normalized in 1NF format and will be used to create data marts for different departments inside the organization. Which schema type should be used for this requirement?

- a) Star
- b) Columnar
- c) Highly Normalized
- d) Graph

**Answer: a**

### Question: 2

An organization has decided to structure their governance model to allow either a single individual or a team to control and maintain the master data. Which governance model is being implemented?

- a) Distributed
- b) Hybrid
- c) Federated
- d) Centralized

**Answer: b**

### Question: 3

The penalty that the EU supervisory authority levies on an organization that fails to comply with the General Data Protection Regulation (GDPR) is the greater of 4% of total global annual turnover or revenue, or a fixed fine amount.

What is the fixed fine amount, in millions of Euros?

- a) 5
- b) 10
- c) 40
- d) 20

**Answer: d**

**Question: 4**

Which Cassandra data type represents a collection of key-value pairs, and is represented in curly brackets ({, }) and colon (:)?

- a) List
- b) Map
- c) Set
- d) UUID

**Answer: b****Question: 5**

Why is it important to control the capabilities of a workload during runtime in Kubernetes?

- a) Limit resource usage on a cluster
- b) Apply API authorization on a cluster
- c) Enable management of application secrets
- d) Support data exfiltration from a pod

**Answer: a****Question: 6**

What type of expertise is required to be an effective data engineer?

- a) Big Data tools
- b) Business analysis
- c) Project management
- d) Accounting

**Answer: a****Question: 7**

In a relational database, what is a minimal set of attributes to uniquely identify a record in a table?

- a) Super key
- b) Foreign key
- c) Primary key
- d) Candidate key

**Answer: c**

**Question: 8**

How is replication implemented in Redis?

- a) Client-server communication protocol is used, whereby every client replicates data from the server
- b) Data is shared among many computers to enable fault tolerance and data accessibility
- c) Meta information is generated based on the client-server communication protocol
- d) The developer copies and pastes the data in multiple databases

**Answer: b**

**Question: 9**

A company needs to fill an opening for a key tactical data governance position. The new hire is to be a subject matter expert on customer data and ensure the data policies and standards are adhered to on a daily basis.

This role bridges the gap between a data governance program and its execution. What is a suitable job title for this role?

- a) Data miner
- b) Data scientist
- c) Data steward
- d) Data engineer

**Answer: c**

**Question: 10**

In order for a table to be normalized in 4NF, what two conditions must be met?

- a) Table is in BCNF  
Multi-valued dependen
- a) Table is in 3NF  
No dependencies exist
- b) Table is in 3NF  
No multi-valued dependencies exist
- e) Table is in BCNF  
No multi-valued dependencies exist

**Answer: d**

## Study Guide to Crack Dell Technologies Data Scientist and Data Engineering Optimize D-DS-OP-23 Exam:

- Getting details of the D-DS-OP-23 syllabus, is the first step of a study plan. This pdf is going to be of ultimate help. Completion of the syllabus is must to pass the D-DS-OP-23 exam.
- Making a schedule is vital. A structured method of preparation leads to success. A candidate must plan his schedule and follow it rigorously to attain success.
- Joining the Dell Technologies provided training for D-DS-OP-23 exam could be of much help. If there is specific training for the exam, you can discover it from the link above.
- Read from the D-DS-OP-23 sample questions to gain your idea about the actual exam questions. In this PDF useful sample questions are provided to make your exam preparation easy.
- Practicing on D-DS-OP-23 practice tests is must. Continuous practice will make you an expert in all syllabus areas.

### Reliable Online Practice Test for D-DS-OP-23 Certification

Make EduSum.com your best friend during your Dell Technologies Data Scientist and Data Engineering Optimize 2023 exam preparation. We provide authentic practice tests for the D-DS-OP-23 exam. Experts design these online practice tests, so we can offer you an exclusive experience of taking the actual D-DS-OP-23 exam. We guarantee you 100% success in your first exam attempt if you continue practicing regularly. Don't bother if you don't get 100% marks in initial practice exam attempts. Just utilize the result section to know your strengths and weaknesses and prepare according to that until you get 100% with our practice tests. Our evaluation makes you confident, and you can score high in the D-DS-OP-23 exam.

**Start Online practice of D-DS-OP-23 Exam by visiting URL**

**<https://www.edusum.com/dell-technologies/d-ds-op-23-dell-technologies-data-scientist-and-data-engineering-optimize-2023>**