

NVIDIA

Exam Questions NCA-AIO

NVIDIA-Certified Associate AI Infrastructure and Operations



NEW QUESTION 1

Which of the following aspects have led to an increase in the adoption of AI? (Choose two.)

- A. Moore's Law
- B. Rule-based machine learning
- C. High-powered GPUs
- D. Large amounts of data

Answer: CD

NEW QUESTION 2

Which of the following statements is true about Kubernetes orchestration?

- A. It is bare-metal based but it supports containers.
- B. It has advanced scheduling capabilities to assign jobs to available resources.
- C. It has no inferencing capabilities.
- D. It does load balancing to distribute traffic across containers.

Answer: BD

NEW QUESTION 3

The foundation of the NVIDIA software stack is the DGX OS. Which of the following Linux distributions is DGX OS built upon?

- A. Ubuntu
- B. Red Hat
- C. CentOS

Answer: A

NEW QUESTION 4

Which of the following statements correctly differentiates between AI, Machine Learning, and Deep Learning?

- A. Machine Learning is a subset of AI, and AI is a subset of Deep Learning.
- B. AI and Deep Learning are the same, while Machine Learning is a separate concept.
- C. AI is a subset of Machine Learning, and Machine Learning is a subset of Deep Learning.
- D. Deep Learning is a subset of Machine Learning, and Machine Learning is a subset of AI.

Answer: D

NEW QUESTION 5

Which architecture is the core concept behind large language models?

- A. BERT Large model
- B. State space model
- C. Transformer model
- D. Attention model

Answer: C

NEW QUESTION 6

An IT professional is considering whether to implement an on-prem or cloud infrastructure. Which of the following is a key advantage of on-prem infrastructure?

- A. Lower upfront costs and capital expenditure.
- B. Scalability and flexibility.
- C. Ensure data security and sovereignty.
- D. Easy remote management.

Answer: C

NEW QUESTION 7

How is the architecture different in a GPU versus a CPU?

- A. A GPU acts as a PCIe controller to maximize bandwidth.
- B. A GPU is architected to support massively parallel execution of simple instructions.
- C. A GPU is a single large and complex core to support massive compute operations.

Answer: B

NEW QUESTION 8

Which NVIDIA parallel computing platform and programming model allows developers to program in popular languages and express parallelism through extensions?

- A. CUDA

- B. CUML
- C. CUGRAPH

Answer: A

NEW QUESTION 9

When should RoCE be considered to enhance network performance in a multi-node AI computing environment?

- A. A network that experiences a high packet loss rate (PLR).
- B. A network with large amounts of storage traffic.
- C. A network that cannot utilize the full available bandwidth due to high CPU utilization.

Answer: C

NEW QUESTION 10

What is the name of NVIDIA's SDK that accelerates machine learning?

- A. Clara
- B. RAPIDS
- C. cuDNN

Answer: C

NEW QUESTION 10

What is a common tool for container orchestration in AI clusters?

- A. Kubernetes
- B. MLOps
- C. Slurm
- D. Apptainer

Answer: A

NEW QUESTION 12

What is one key advantage that Cloud GPU Infrastructure has over On-Prem GPU infrastructure?

- A. Lower cost barrier to entry.
- B. Reduced cost of I/O traffic.
- C. Greater flexibility for hardware orchestration.

Answer: A

NEW QUESTION 15

In an AI cluster, what is the purpose of job scheduling?

- A. To gather and analyze cluster data on a regular schedule.
- B. To monitor and troubleshoot cluster performance.
- C. To assign workloads to available compute resources.
- D. To install, update, and configure cluster software.

Answer: C

NEW QUESTION 20

Which are three key features of InfiniBand networking technology?

- A. High reliability, high latency, and CPU offloads.
- B. High latency, high reliability, and high bandwidth.
- C. GPU offloads, low latency, high reliability.
- D. Low latency, high bandwidth, and CPU offloads.

Answer: D

NEW QUESTION 22

How many Mellanox ConnectX-6 Single Port VPI cards are in a DGX A100 system?

- A. 8
- B. 16
- C. 4

Answer: A

NEW QUESTION 24

Which NVIDIA tool aids data center monitoring and management?

- A. NVIDIA Mellanox Insight
- B. NVIDIA Clara
- C. NVIDIA TensorRT
- D. NVIDIA DCGM

Answer: D

NEW QUESTION 29

.....

Thank You for Trying Our Product

We offer two products:

1st - We have Practice Tests Software with Actual Exam Questions

2nd - Questions and Answers in PDF Format

NCA-AIIO Practice Exam Features:

- * NCA-AIIO Questions and Answers Updated Frequently
- * NCA-AIIO Practice Questions Verified by Expert Senior Certified Staff
- * NCA-AIIO Most Realistic Questions that Guarantee you a Pass on Your First Try
- * NCA-AIIO Practice Test Questions in Multiple Choice Formats and Updates for 1 Year

100% Actual & Verified — Instant Download, Please Click
[Order The NCA-AIIO Practice Test Here](#)