Exam Code: AIOps-Foundation

Exam Name: DevOps Institute AIOps Foundation V1.0

Exam A

QUESTION 1
The incident related metric MTTD means:

A. Mean Time to Deployment
B. Mean Time to Delivery
C. Mean Time to Distribution
D. Mean time to Detect

Correct Answer: D
Section:

QUESTION 2
Targets of acceptable performance are defined in;

A. SLIs
B. SLOs
C. SLAs
D. KPIs

Correct Answer: B
Section:

QUESTION 3
What does reliability mean?

A. The ability to keep a functioning state
B. The ability to be timely and easily maintained
C. The ability to perform all desired functions
D. The ability to not create harm

Correct Answer: A
Section:

QUESTION 4
Which are core technologies used by an AIOps system?

A. Big Data
B. Machine Learning
C. Automation
D. All of the above

Correct Answer: D

Section:

QUESTION 5
The various key areas in a system work together in the following loop:

A. Observe, engage, act
B. Audit, document and restore
C. Automate, iterate and fail fast
D. Observe, automate, act

Correct Answer: A
Section:

QUESTION 6
How did systems architecture transform?

A. From monoliths to microservices
B. From object oriented languages to functional languages
C. From cloud to edge
D. From docker to OCI

Correct Answer: A
Section:

QUESTION 7
What can one use to track system status if applying SRE principles?

A. Number of alerts
B. Error budgets
C. User defect reports
D. Number of commits to a repo

Correct Answer: B
Section:

QUESTION 8
Which are indicators of potential value to AIOps implementation?

A. Upward trending number of alerts
B. Poor alert quality with lots of noise
C. Difficulty in triaging and root cause analysis
D. All of the above

Correct Answer: D
Section:

QUESTION 9

Systems operation became elastic and dynamic thanks to:

A. Linux
B. Contamenzation
C. Adoption of the cloud
D. Machine Learning

Correct Answer: C
Section:

QUESTION 10
Data that does not have a predefined structure or format and is usually in the form of text-heavy content is usually described as:

A. Structured data
B. Unstructured data
C. Semi-structured data
D. Time-series data

Correct Answer: B
Section:

QUESTION 11
At which stage does the data pipeline deduplicate data?

A. Extraction/collection
B. Enrichment/filtering
C. Cleaning/integration
D. Storage

Correct Answer: C
Section:

QUESTION 12
Which of the MELT data types is specific to a microservices based system?

A. Metrics
B. Events
C. Logs
D. Traces

Correct Answer: D
Section:

QUESTION 13
Which of the following describes MLOps?

A. Applying artificial intelligence to IT Operations

B. Implementing CI/CD. testing and accelerated development lifecycle to the machine learning model development

C. Software that thinks like a human through analysis and reasoning to perform complex tasks

D. A set of capabilities that primarily focuses on the governance and the full life cycle management of all Al and decision models

Correct Answer: B
Section:

QUESTION 14
Which of the following is a characteristic of Machine Learning?

A. Requires explicit programming to learn

B. A superset of Al

C. Uses small amounts of historical data to generate accurate inferences or prediction

D. Gradually improves accuracy through iterative optimization

Correct Answer: D
Section:

QUESTION 15
Which algorithm Type is helpful in categorizing data in a supervised learning model?

A. Regression

B. Classification

C. Clustering

D. Association

Correct Answer: B
Section:

QUESTION 16
What is a big advantage of AlOps over ITOA?

A. It works with large datasets

B. It can understand the past

C. It can predict the future

D. It helps operations be reactive

Correct Answer: C
Section:

QUESTION 17
Which Al models can mimic human narrative?

A. Big data

B. Large language

C. Generative

D. AlOps

Correct Answer: C
Section:

QUESTION 18
Which is the MOST pressing reason IT professionals look to become effective in operating systems?

A. Increasingly demanding user expectations
B. Risk to reductions in force
C. Constantly changing IT Landscape
D. Mergers and Acquisitions

Correct Answer: C
Section:

QUESTION 19
How do SLAs relate To AlOps?

A. AlOps reduces the risk and improves SLA targets by overall improving IT Operations speed and capabilities.
B. AlOps automates the generation of SLA documentation
C. AlOps indicates which SLOs to define in an SLA
D. There is no relationship between AlOps and SLAs

Correct Answer: A
Section:

QUESTION 20
Reactive Operations rely on:

A. Leading indicators
B. Lagging indicators
C. Prediction and inference
D. Big Data

Correct Answer: B
Section:

QUESTION 21
Which of the following technologies is deterministic?

A. Machine Learning
B. Artificial Intelligence
C. Neural networks
D. Analytics

Correct Answer: D
Section:

QUESTION 22
Which definition BEST describes Big Data?

A. Data sets of structured data that have grown over time
B. Data sets that are so large they can only be interrogated using AI
C. Data sets that live in data warehouses or lakes
D. Data sets that are 'too large' or diverse causing traditional data processing techniques to be ineffective

Correct Answer: D
Section:

QUESTION 23
Which of these data comes from monitoring rather than application or infrastructure telemetry?

A. Metrics
B. Logs
C. Alerts
D. Traces

Correct Answer: A
Section:

QUESTION 24
Which of the 5Vs is concerned with data quality, missing data or false positive alerts?

A. Volume
B. Velocity
C. Value
D. Veracity

Correct Answer: D
Section: