Linux Foundation
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Question: 1

Which parameters can be set using environment variables to configure an OpenTelemetry SDK?
(Choose two)
Response:

A. Service name
B. Sampling rate
C. Exporter endpoint
D. Collector scaling

Answer: A,C

Question: 2

What is a common use case for extending OpenTelemetry APIs?
Response:

A. Adding encryption to telemetry data
B. Defining custom attributes for traces
C. Managing collector instances
D. Scaling the pipeline for high availability

Answer: B

Question: 3

Which of the following are true about context propagation in OpenTelemetry?
(Choose two)
Response:

A. It helps link spans across distributed services.
B. It secures telemetry data during transmission.
C. It uses W3C Trace Context headers.
D. It processes spans in the collector pipeline.

Answer: A,C

Question: 4

What is the purpose of the resource attribute in OpenTelemetry SDK configuration?
Response:

A. To define service-level metadata
B. To specify the sampling strategy
C. To allocate memory for telemetry data
D. To configure collector endpoints

Answer: A

Question: 5

Which component in the OpenTelemetry Collector is responsible for modifying telemetry data before exporting it?
Response:

A. Exporter
B. Processor
C. Receiver
D. Loader

Answer: B

Question: 6

Which semantic convention attributes are associated with HTTP telemetry?
(Choose two)
Response:

A. http.method
B. http.client_ip
C. http.payload
D. http.server_path

Answer: A,B

Question: 7

How can OpenTelemetry Collector ensure reliable error handling in telemetry pipelines?
Response:

A. Enable automatic retries for failed exports.
B. Configure batch processors to discard failed data.
C. Redirect errors to a dead-letter queue.
D. Halt the pipeline when any error occurs.

Answer: C

Question: 8

Why is schema management critical in observability pipelines?
Response:

A. It minimizes data transmission costs.
B. It ensures compatibility between telemetry producers and consumers.
C. It eliminates the need for exporters.
D. It simplifies the use of multiple processors.

Answer: B

Question: 9

What are the key benefits of using telemetry data in observability systems?
(Choose two)
Response:

A. Faster detection of system anomalies
B. Improved system security through encryption
C. Detailed insights into application performance
D. Automatic recovery from application crashes

Answer: A,C

Question: 10

What is the purpose of the W3C Trace Context standard in OpenTelemetry?
Response:

A. To enable distributed tracing across different vendors
B. To define collector pipeline structure

C. To secure telemetry data in transit
D. To monitor collector health

Answer: A

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