Question **1**

Complete

Mark 0.00 out of 1.00

Flag question

Question text

ZooKeeper data model consists of:

Select one:

A graph of znodes

A tree of znodes

A directed acyclic graph of znodes

A list of znodes

Question **2**

Complete

Mark 1.00 out of 1.00

Flag question

Question text

Replication of data can result in improved fault tolerance. Which of the following is a disadvantage of replication?

Select one:

Inconsistent states

Loss of data

Deadlocks

Partial failures

Question **3**

Complete

Mark 1.00 out of 1.00

Flag question

Question text

Which of the following best describes the relationship between ZooKeeper and partial failures?

Select one:

ZooKeeper eliminates partial failures

ZooKeeper causes partial failures

ZooKeeper detects partial failures

ZooKeeper provides a mechanism for handling partial failures

Question **4**

Complete

Mark 1.00 out of 1.00

Flag question

Question text

A common problem in a distributed system is

Select one:

Complete shutdown

Partial failures

Network latency

Power failures

Question **5**

Complete

Mark 1.00 out of 1.00

Flag question

Question text

What happens in Kafka, if a machine to be written data is down?

Select one:

The write fails

The machine is bypassed till it comes back up

The write waits till the machine comes back up

Data is lost as a machine has failed

Question **6**

Complete

Mark 1.00 out of 1.00

Flag question

Question text

When messages passes from producer to broker to consumer, the data modification is minimized by using:

Select one:

Message compression

Message sets

Binary message format

Partitions

Question **7**

Complete

Mark 1.00 out of 1.00

Flag question

Question text

The replication model in Kafka is

Select one:

Quorum based

primary-backup method

multi-primary method

Journal based

Question **8**

Complete

Mark 1.00 out of 1.00

Flag question

Question text

Which of the following is guaranteed by Kafka?

Select one:

A consumer instance gets the messages in the same order as they are produced.

A consumer instance is guaranteed to get all the messages produced.

No two consumer instances will get the same message

All consumer instances will get all the messages

Question **9**

Complete

Mark 1.00 out of 1.00

Flag question

Question text

How many brokers will be marked as leaders for a partition?

Select one:

Zero

Any number of brokers

One

All the brokers

Question **10**

Complete

Mark 0.00 out of 1.00

Flag question

Question text

You have tested that a Kafka cluster with five nodes is able to handle ten million messages per minute. Your input is likely to increase to twenty five million messages per minute. How many more nodes should be added to the cluster?

Select one:

15

13

8

5

Question **11**

Complete

Mark 1.00 out of 1.00

Flag question

Question text

A kafka cluster has 20 nodes. There are 5 topics created, each with 6 partitions. How many total number of broker processes will be running?

Select one:

20 processes, one on each node

100 processes, one process for each topic on each node.

30 processes, one process for each topic and partition.

120 processes, one process for each partition on each node

Question **12**

Complete

Mark 1.00 out of 1.00

Flag question

Question text

A Kafka topic is setup with a replication factor of 5. Out of these, 2 nodes in the cluster have failed. Business users are concerned that they may lose messages. What do you tell them?

Select one:

They need to stop sending messages till you bring up the 2 servers

They need to stop sending messages till you bring up at least one server

They can continue to send messages as there is fault tolerance of 4 server failures.

They can continue to send messages as you are keeping a tape back up of all the messages

Question **13**

Complete

Mark 0.00 out of 1.00

Flag question

Question text

Which consumer side API is used to retrieve the messages as a stream?

Select one:

consumerMap.read()

consumerMap.get()

consumerMap.retrieve()

consumerMap.consume()

Question **14**

Complete

Mark 1.00 out of 1.00

Flag question

Question text

Which command is used in Kafka to retrieve messages from a topic?

Select one:

kafka-get-message.sh

kafka-console-consumer.sh

kafka-read-message.sh

kafka-consumer.sh

Question **15**

Complete

Mark 1.00 out of 1.00

Flag question

Question text

Which command is used in Kafka to add messages to a topic?

Select one:

kafka-create-message.sh

kafka-add-message.sh

kafka-console-producer.sh

kafka-producer.sh

Question **16**

Complete

Mark 1.00 out of 1.00

Flag question

Question text

Which is the command to create a topic in Kafka?

Select one:

create-topic.sh

kafka-topics.sh

kafka-cli.sh

kafka-producer.sh

Question **17**

Complete

Mark 1.00 out of 1.00

Flag question

Question text

Which server should be started before starting Kafka server?

Select one:

Kafka producer

Kafka consumer

Kafka topic

ZooKeeper server

Question **18**

Complete

Mark 1.00 out of 1.00

Flag question

Question text

Which command is used to start Kafka broker?

Select one:

kafka-broker-start.sh

kafka-producer-start.sh

kafka-server-start.sh

kafka-consumer-start.sh

Question **19**

Complete

Mark 1.00 out of 1.00

Flag question

Question text

Which is the configuration file for setting up ZooKeeper properties in Kafka?

Select one:

zookeeper.xml

zookeeper.properties

zk.yaml

kafka.zk.properties

Question **20**

Complete

Mark 1.00 out of 1.00

Flag question

Question text

What does ZooKeeper provide to programmatically handle znodes?

Select one:

server hookups

client APIs

property files

Classes