Dashboard / My courses / 2CS702 / 7 October - 13 October / Class Test-2

Started on	Monday, 11 October 2021, 4:19 PM
State	Finished
Completed on	Monday, 11 October 2021, 5:00 PM
Time taken	40 mins 37 secs
Marks	26.00/40.00
Grade	**22.75** out of 35.00 (**65**%)

Question 1
Complete
Mark 1.00 out of 1.00

Big Data Analytics is a tight handshake between three communities :

Select one:
- a. government, business, and analysts
- b. IT, business executives, and data engineers
- c. developers, testers, and clients
- ● d. IT, business users, and data scientists

The correct answer is: IT, business users, and data scientists

Question 2
Complete
Mark 1.00 out of 1.00

when the network fails to deliver some messages to one or more nodes in case of fault is called?

Select one:
- a. Availability
- ● b. partition tolerance
- c. cosistency
- d. none of them

The correct answer is: partition tolerance

Question 3
Complete
Mark 1.00 out of 1.00

_____ works by fusing data warehouses with analytical systems.

Select one:
- a. Shared Nothing Architecture
- b. In-memory analytics
- c. Parallel System
- ● d. In-Database processing

The correct answer is: In-Database processing

Question 4
Complete

Mark 1.00 out of 1.00

I want to change specify auxiliary service need to run with nodemanager. Which configuration file will help me to do so?

Select one:

- ○ a. hdfs-site.xml
- ◉ b. yarn-site.xml
- ○ c. core-site.xml
- ○ d. All of these

The correct answer is: yarn-site.xml

Question 5
Complete

Mark 1.00 out of 1.00

Which of the following statement is not true?

Select one:

- ◉ a. Mapreduce combiner does not require reducer tasks.
- ○ b. The total number of Partitioners that run in Hadoop is equal to the number of reducers.
- ○ c. data locality means compute node and data node are same.
- ○ d. Mapper and reducer task read data in the key value format only.

The correct answer is: Mapreduce combiner does not require reducer tasks.

Question 6
Complete

Mark 1.00 out of 1.00

Data Science is the science of extracting knowledge from Science data.

Select one:
- ○ True
- ◉ False

The correct answer is 'False'.

Question 7
Complete

Mark 1.00 out of 1.00

Cloud computing can not help to meet the challenges posed by Big Data.

Select one:
- ○ True
- ◉ False

The correct answer is 'False'.

Question 8
Complete

Mark 1.00 out of 1.00

I want to change default heartbeat interval. Which configuration file will help me to do so?

Select one:

- ○ a. yarn-site.xml
- ○ b. core-site.xml
- ◉ c. hdfs-site.xml
- ○ d. All of these

The correct answer is: hdfs-site.xml

Question 9

Complete

Mark 0.00 out of 1.00

nodemanager send heartbeat to resource manager

Select one:

- ○ a. True
- ◉ b. False

The correct answer is: True

Question 10

Complete

Mark 1.00 out of 1.00

Imagine a node n on rack r in data center d. Calculate the distance of Distance(/d1/r1/n1 , /d2/r3/n4)

Select one:

- ○ a. 5
- ○ b. 8
- ◉ c. 6
- ○ d. 4

The correct answer is: 6

Question 11

Complete

Mark 1.00 out of 1.00

Which of the following statement is true?

Select one:

- ○ a. Each mapreduce cycle can be depicted by DAG.
- ○ b. Hadoop outperforms spark for iterative processing.
- ◉ c. Map operation can be performed on RDD.
- ○ d. lazy evaluation is supported by Hadoop.

The correct answer is: Map operation can be performed on RDD.

Question 12

Complete

Mark 0.00 out of 1.00

What is action in Spark RDD?

Select one:

- ○ a. The ways to send result from executors to the driver.
- ◉ b. All of the above.
- ○ c. Takes RDD as input and produces one or more RDD as output.
- ○ d. Creates one or many new RDDs.

The correct answer is: The ways to send result from executors to the driver.

Question 13

Complete

Mark 1.00 out of 1.00

Which of the following are the major component of resource manager?

Select one:

- ○ a. scheduler, container
- ◉ b. scheduler, application manager
- ○ c. application master, application manager
- ○ d. application master, container

The correct answer is: scheduler, application manager

Question 14

Complete

Mark 0.00 out of 1.00

Which language is used for data retrieval in Apache Hive.

Select one:

- ○ a. Java
- ○ b. python
- ○ c. SQL
- ○ d. HiveQL

The correct answer is: HiveQL

Question 15

Complete

Mark 0.00 out of 1.00

The role of jobtracker in hadoop version 1 is switched to ____ in hadoop version 2.

Select one:

- ○ a. None of these
- ○ b. Resource Manager
- ◉ c. Task tracker
- ○ d. Node Manager

The correct answer is: Resource Manager

Question 16

Complete

Mark 1.00 out of 1.00

Which of the following are Benefits of Big Data Processing?

Select one:

- ○ a. Businesses can utilize outside intelligence while taking decisions
- ○ b. Better operational efficiency
- ◉ c. All of the these
- ○ d. Improved customer service

The correct answer is: All of the these

Question 17

Complete

Mark 1.00 out of 1.00

MapReduce jobs cannot depend on the Hadoop combiner execution because there is no guarantee in its execution.

Select one:

- ○ a. False
- ◉ b. True

The correct answer is: True

Question 18

Complete

Mark 1.00 out of 1.00

Client can call ____ for calculating splits and ____ schedule the map task

Select one:

- ○ a. split(), resource manager
- ○ b. getsplit(), resource manager
- ◉ c. getsplit(), application master
- ○ d. readsplit(), application master

The correct answer is: getsplit(), application master

Question 19

Complete

Mark 0.00 out of 1.00

Datanode can not communicate with task tracker

Select one:
- ○ a. False
- ◉ b. True

The correct answer is: False

Question 20

Complete

Mark 1.00 out of 1.00

Big Data Analytics is Technology-enabled analytics

Select one:
- ◉ True
- ○ False

The correct answer is 'True'.

Question 21

Complete

Mark 1.00 out of 1.00

The examination of large amounts of data to see what patterns or other useful information can be found is known as

Select one:
- ○ a. Data examination
- ○ b. Information analysis
- ○ c. Data analysis
- ◉ d. Big data analytics

The correct answer is: Big data analytics

Question 22

Complete

Mark 1.00 out of 1.00

In _____, all the relevant data is stored in RAM or primary storage eliminating the need to access the data from hard disk.

Select one:
- ○ a. In-Database Processing
- ◉ b. In-Memory Analytics
- ○ c. Symmetric Multiprocessor System

The correct answer is: In-Memory Analytics

Question 23

Complete

Mark 1.00 out of 1.00

Existence of CP- Consistency and Partition tolerence means

Select one:
- ◉ a. Some data may not be accessible, but the rest is still consistent/accurate.
- ○ b. None of these
- ○ c. all nodes are always in contact
- ○ d. some of the data returned may be inaccurate.

The correct answer is: Some data may not be accessible, but the rest is still consistent/accurate.

Question 24

Complete

Mark 0.00 out of 1.00

Which of the following questions is answered by Prescriptive Analytics?

Select one:

- ○ a. What happened?
- ◉ b. What will happen?
- ○ c. How can we make it happen?
- ○ d. Why did it happen?

The correct answer is: How can we make it happen?

Question 25

Complete

Mark 0.00 out of 1.00

By default number of reducer in the map-reduce program is equivalent to

Select one:

- ○ a. record reader
- ○ b. one
- ◉ c. partitioner
- ○ d. all of these

The correct answer is: one

Question 26

Complete

Mark 1.00 out of 1.00

Technology needed for Big Data processing is(are)

Select one:

- ○ a. faster processors
- ○ b. open-source, distributed platforms
- ◉ c. all of the given options
- ○ d. cheap and abundant storage

The correct answer is: all of the given options

Question 27

Complete

Mark 0.00 out of 1.00

Which of the following questions is answered by Predictive Analytics?

Select one:

- ○ a. Why did it happen?
- ◉ b. How can we make it happen?
- ○ c. What happened?
- ○ d. What will happen?

The correct answer is: What will happen?

Question 28

Complete

Mark 1.00 out of 1.00

_____ maps input key/value pairs to a set of intermediate key/value pairs.

Select one:

○ a. Both Mapper and Reducer

◉ b. Mapper

○ c. Reducer

○ d. None of the mentioned

The correct answer is: Mapper

Question 29

Complete

Mark 0.00 out of 1.00

For 20GB text file, if number of mapper tasks are 100 then the size of each input split is ?

Select one:

○ a. 5

○ b. 160

○ c. 4096

◉ d. 100

The correct answer is: 4096

Question 30

Complete

Mark 1.00 out of 1.00

Disadvantage of use of combiner is __

Select one:

○ a. Decrese overall performance of reducer

○ b. All of thses

○ c. It increase the amount of data to be process by reducer

◉ d. It cause expensive disk IO

The correct answer is: It cause expensive disk IO

Question 31

Complete

Mark 0.00 out of 1.00

Which of the following is not component of hadoop 1.0.

Select one:

○ a. namenode

○ b. YARN

◉ c. mapreduce

○ d. HDFS

The correct answer is: YARN

Question 32

Complete

Mark 0.00 out of 1.00

Choose the correct option for the given statements in terms of Apache Hive.
:: A.Apache Hive is used for managing the large scale data sets using HiveQL.
:: B.Apache Hive supports diverse workload such as, graph processing, machine learning algorithms, stream processing etc.

Select one:

○ a. both A and B are incorrect

◉ b. both A and B are correct

○ c. only B is correct

○ d. only A is correct

The correct answer is: only A is correct

Question 33

Complete

Mark 1.00 out of 1.00

Vertical Scaling can be achieved by increasing

Select one:

○ a. RAM

○ b. Storage

◉ c. All of the given options

○ d. Processors

The correct answer is: All of the given options

Question 34

Complete

Mark 1.00 out of 1.00

Name node send heartbeat to Datanode

Select one:

○ a. True

◉ b. False

The correct answer is: False

Question 35

Complete

Mark 0.00 out of 1.00

In Shared Nothing Architecture, memory and disk are shared among multiple processors.

Select one:

◉ True

○ False

The correct answer is 'False'.

Question 36

Complete

Mark 0.00 out of 1.00

Which of the following statement is not true?

Select one:

○ a. NoSQL databases does not require data model.

○ b. Hive is a data warehouse.

○ c. NoSQL enforces schema-on-read.

◉ d. column-oriented databases are fault-tolerant and distributed.

The correct answer is: NoSQL databases does not require data model.

Question 37

Complete

Mark 1.00 out of 1.00

Which of the followings is an application of Data Science?

Select one:

- ○ a. oil drilings
- ◉ b. all of the given options
- ○ c. terrorist network and activities
- ○ d. weather prediction

The correct answer is: all of the given options

Question 38

Complete

Mark 1.00 out of 1.00

Container consists of _____

Select one:

- ○ a. Disk
- ◉ b. All of these
- ○ c. CPU
- ○ d. RAM

The correct answer is: All of these

Question 39

Complete

Mark 1.00 out of 1.00

Advantage of use of combiner is _

Select one:

- ○ a. All of thses
- ○ b. Decrese overall performance of reducer
- ○ c. It cause expensive disk IO
- ◉ d. It decrease the amount of data to be process by reducer

The correct answer is: It decrease the amount of data to be process by reducer

Question 40

Complete

Mark 0.00 out of 1.00

Which of the following statement is not true?

Select one:

- ◉ a. Mapreduce programming model supports batch processing.
- ○ b. Hive enforces schema-on-read.
- ○ c. Mapreduce programming model is designed based on moving data to computation apporach.
- ○ d. Hive converts user queries to mapreduce task.

The correct answer is: Mapreduce programming model is designed based on moving data to computation apporach.