

Distributed System MCQs

MCQs based on HDFS . All questions are compulsory.

...

Points: 12/16

1. Student Name

*

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2. Class *

☒ TE 1

☐ TE 2

☐ TE 3

☐ TE 4

3. Roll no.

*

31145

4. HDFS works in a _____ fashion. *

(1/1 Point)

- ☐ worker-master fashion
- ☒ master-slave fashion
- ☐ master-worker fashion
- ☐ None of the mentioned



5. _____ NameNode is used when the Primary NameNode goes down. *

(1/1 Point)

- ☐ Rack
- ☐ Data
- ☒ Secondary
- ☐ Rack and Data



6. The default block size is _____. *

(0/1 Point)

- ☐ 32MB
- ☐ 64MB
- ☒ 128MB
- ☐ 16MB



7. The need for data replication can arise in various scenarios like _____

*

(1/1 Point)

- ☐ Replication Factor is changed

- ☐ DataNode goes down
- ☐ Data Blocks get corrupted
- ☒ All of the mentioned



8. _____ is the slave/worker node and holds the user data in the form of Data Blocks.

*

(1/1 Point)

- ☒ DataNode
- ☐ NameNode
- ☐ Data block
- ☐ Replication



9. HDFS is implemented in _____ programming language.

*

(1/1 Point)

- ☐ C++
- ☒ Java
- ☐ Scala
- ☐ None of the mentioned



10. The minimum amount of data that HDFS can read or write is called a

_____.
(1/1 Point)

- ☐ Datanode
- ☐ Namenode
- ☒ Block



☐ None of the above

11. For every node (Commodity hardware/System) in a cluster, there will be a *
(1/1 Point)

☒ Datanode



☐ Namenode

☐ Block

☐ None of the above



12. Which of the configuration file is used to control HDFS replication factor *
(0/1 Point)

☐ Hdfs-site.xml



☒ Mapred-site.xml

☐ Core-site.xml

☐ Yarn-site.xml

13. Which of the following command is used to check the status of all daemons running in HDFS? *
(1/1 Point)

☒ Jps



☐ Distcp

☐ Fsck

☐ None of the above

14. Which of the following command is used to copy file or directories recursively *
(1/1 Point)

- ☐ Dcp
- ☐ Dtcp
- ☐ Distc
- ☒ Distcp



15. The heartbeat signal are sent from *

(0/1 Point)

- ☐ Jobtracker to namenode
- ☒ Tasktracker to namenode
- ☐ Jobtracker to namenode
- ☐ Tasktracker to jobtracker



16. What is default replication factor in HDFS *

(1/1 Point)

- ☐ 2
- ☒ 3
- ☐ 4
- ☐ 5



17. InputFormat class calls the _____ function and computes splits for each file and then sends them to the Jobtracker. *

(0/1 Point)

- ☐ puts
- ☐ gets



getSplits



All of the mentioned

18. Interface _____ reduces a set of intermediate values which share a key to a smaller set of values. *

(1/1 Point)



Mapper



Reducer



Writable



Readable

19. Reducer is input the grouped output of a : *

(1/1 Point)



Mapper



Reducer



Writable



Readable

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