

- Q.5 Which of the following is NOT a phase in Mapreduce?
- Map phase
 - Shuffle phase
 - Load phase
 - Reduce phase
- Q.6 What data structure is primarily used to represent data in MapReduce?
- DataFrame
 - Key-value Pair
 - Table
 - JSON
- Q.7 What is the default file format for Hive tables?
- CSV
 - JSON
 - Text
 - Parquet
- Q.8 How do you create a table in Hive?
- CREATE DATABASE
 - CREATE TABLE
 - MAKE TABLE
 - NEW TABLE
- Q.9 How can R connect to a Hadoop cluster?
- Using the RODBC package
 - Using the RJDBC package
 - Using the rjava package
 - All of the above
- Q.10 What does the term “data lake” refer to?
- A structured database
 - A storage repository for new data
 - A type of relational database
 - A programming language

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 What is data frame in R.
- Q.12 Define big Data.
- Q.13 Name one common use case for big data analytics.
- Q.14 What does ETL stand for?
- Q.15 Name one component of the Hadoop ecosystem.
- Q.16 What is the purpose of the HDFS?
- Q.17 What does YARN stand for in the context of Hadoop?
- Q.18 What type of database does Hive use?
- Q.19 What are the two main components of Pig?
- Q.20 Who created the R programming language?

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 What is Hadoop, List various Hadoop vendors.
- Q.22 What are the challenges for processing Big data?
- Q.23 What is Distributed File System? Explain in brief.
- Q.24 Explain how Hadoop cluster works?
- Q.25 Define any 3 daemons of Hadoop and their functionalities.
- Q.26 Explain how map reduce works.
- Q.27 What is word count problem? Explain in brief.