Computer / IT
Subject:- Big Data

Time : 3Hrs.   M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory   (10x1=10)

Q.1   Which of the following is type of Big Data   (CO1)
   a)   Structured   b)   Unstructured
   c)   Hybrid   d)   All of the above

Q.2   Choose the primary characteristics of big data among the following.   (CO1)
   a)   Value   b)   Variety
   c)   Volume   d)   All of the above

Q.3   What are the main components of big data?   (CO2)
   a)   HDFS   b)   YARN
   c)   Map Reduce   d)   All of the above

Q.4   Which of the following platform does Apache Hadoop runs on.   (CO4)
   a)   Cross Platform   b)   Compiler
   c)   Unix-like   d)   Debian

Q.5   What is HIVE?   (CO4)

Q.28   List various sources of Big Data.   (CO1)

Q.29   Briefly explain HDFC.   (CO2)

Q.30   Explain working of Map Reduce.   (CO3)

Q.31   Write a note on Hadoop cluster.   (CO2)

Q.32   Explain architecture of HIVE.   (CO4)

Q.33   List different sources of Big Data.   (CO1)

Q.34   List different functionalities of Hadoop. (CO2)

Q.35   Write a note on Array and Matrices.   (CO5)

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions.   (2x10=20)

Q.36   What is Hadoop. Explain structure of Hadoop in detail.   (CO4)

Q.37   Write a note on any two.
   a)   Reading data in 'R'.   (CO5)
   b)   Five dameons of Hadoop   (CO2)
   c)   Pig   (CO4)

Q.38   Explain Big Data in detail. List advantages and characteristics of Big Data.   (CO1)

   (**Note:** Course outcome/CO is for office use only)

a) Relational

b) An open source data warehouse

c) A language

d) OLTP

Q.6 HDFS stands for _____? (CO2)

a) Hadoop Distributed File System

b) Hyper Distributed File System

c) Hadoop Data File System

d) None of the above

Q.7 _____ has world largest Hadoop Cluster? (CO2)

a) Apple   b) Amazon

c) Facebook   d) Microsoft

Q.8 What are different features of Big Data Analytics? (CO1)

a) Open source   b) Scalability

c) Data Recovery   d) All of the above

Q.9 What is the minimum amount of data that a disk can read or white in HDFS? (CO3)

a) Byte Size   b) Block Size

c) Heap   d) None of the above

Q.10 Hadoop common package contains which files? (CO2)

a) msi   b) jar

c) exe   d) None of the above

SECTION-B

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

Q.11 Array is one dimensional (T/F) (CO5)

Q.12 Define Pig. (CO4)

Q.13 List two applications of Big Data. (CO1)

Q.14 Define 'R'. (Co5)

Q.15 Define Data Frame. (CO2)

Q.16 Give one example of Big Data. (CO1)

Q.17 'R' is used for statisctical computing (T/F). (CO5)

Q.18 Name one running mode of Hadoop. (CO2)

Q.19 Define Sorting. (CO7)

Q.20 The are 5 Vs in Big Data (T/F). (CO1)

SECTION-C

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

Q.21 List various applications of Big Data. (CO1)

Q.22 Differentiate between Hive and Pig. (CO4)

Q.23 List various modes of Hadoop. (CO2)

Q.24 Explain architecture of Map Reduce. (CO3)

Q.25 Explain the difference between Job Tracker and Task Tracker. (CO2)

Q.26 Ellaborate when Pig should be used. (CO4)

Q.27 What are ordered and unordered factor in 'R'. (CO5)