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Roll No. .....

5th Sem / Branch : Computer/IT
Sub.: Big Data

Time : 3Hrs. M.M. : 100

SECTION-A

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

Q.1 Total form of Big Data is (CO1)

a) One b) Two
c) Three d) Four

Q.2 Data in _____ bytes size is called Big Data? (CO2)

a) Meta b) Giga
c) Peta d) Tera

Q.3 In which language Hadoop is written (CO2)

a) Java
b) Object oriented programming language
c) Python
d) Both B and C

Q.4 Which of the following function is used to read data in PIG? (CO4)

a) Write b) Load
c) Read d) A Language

Q.5 _____ data type is supported by HIVE? (CO4)

a) Map b) Record
c) String d) Enum

Q.6 HDFS works in _____ manner? (CO2)

a) Master - slave b) Master - worker
c) Worker - slave d) All of the above

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

a) Apple b) Amazon
c) Facebook d) Microsoft

Q.8 There are _____ Vs in Big Data? (CO1)

a) One b) Three
c) Five d) Infinite

Q.9 Pig operates in how many modes? (CO1)

a) Zero b) One
c) Two d) Three

Q.10 RDBMS stands for? (CO4)

a) Red Database Management System
b) Relational Database Management System
c) Read Database Management System.
d) Regular Database Management System

SECTION-B

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

Q.11 HDFS stands for _____.

Q.12 Define 'Hive'. (CO3)

Q.13 Hive works well on all files stored in HDFS (T/F) (CO4)

Q.14 Define Data node. (CO2)

Q.15 Define Array. (CO5)

Q.16 Name two Hadoop vendors. (CO2)

Q.17 Yarn is one of the components of Big Data (T/F) (CO1)

Q.18 Pig Operates in two modes (T/F). (CO4)

Q.19 NAS is _____. (CO7)

Q.20 Hadoop is an Virtual Framework. (T/F). (CO2)

SECTION-C

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

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

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

Q.23 What are various modes in which Hadoop runs. (CO4)

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

Q.25 Difference between Apache Hadoop and Hadoop Ecosystem. (CO2)

Q.26 Write a note on Pig Data. (CO4)

Q.27 Explain how to get data in "R". (CO5)

Q.28 List various Big Data tools. (CO2)

Q.29 Illustrate working of Hadoop cluster. (CO2)

Q.30 List various benefits of Big Data. (CO1)

Q.31 Explain when Pig should be used. (CO2)

Q.32 Explain five Vs in Big data. (CO2)

Q.33 List different industries using Big Data. What are challenges for data processing? (CO1)

Q.34 Explain the structure of Hadoop. (CO2)

Q.35 Elaborate unordered factor in 'R'. (CO5)

SECTION-D

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

Q.36 Ellaborate the architecture of HIVE with the help of a Diagram. (CO4)

Q.37 Explain the following:

a) Map Reduce (CO3)

b) Hadoop (CO2)

c) Pig (CO4)

Q.38 Explain Big Data in detail. List applications of Big Data. (CO1)

Note : Course Outcome (CO) mentioned in the question paper is for official purpose only.