

- Q.20 Explain the tools of Hadoop ecosystem.
- Q.21 Write short note on Dameons of Hadoop.
- Q.22 Explain the steps followed by for sorting process in Mapreducer.

### SECTION-D

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

- Q.23 What is Pig? Explain its components and advantages.
- Q.24 a) List the vendors offering Big Data Hadoop solutions.  
b) Explain the characteristics of Big Data.
- Q.25 Describe  
a) Components of MapReduce Architecture  
b) Features of Job tracker.

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220854B

### 5th Sem / Computer, Computer ( For Speech and Hearing Impaired)

### Subject : Big Data

Time : 3 Hrs.

M.M. : 60

### SECTION-A

**Note:** Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 Which of the following is an example of Smart Data?  
a) Unstructured logs  
b) Processed customer insights  
c) Raw sensor data  
d) Email metadata
- Q.2 MapReduce is a programming model for:  
a) Data storage  
b) Data visualization  
c) Distributed Data Processing  
d) Data Security

Q.3 The term 'Veracity' in Big Data refers to:

- a) Quantity
- b) Accuracy and Trustworthiness
- c) Speed
- d) Size

Q.4 Smart goals in Big Data are:

- a) Specific Measurable, Achievable. Realistic, time-bound
- b) Small, Medium, Accurate, Relevant, Targeted
- c) Simple, Mean, Average, Real, True
- d) None of these

Q.5 Which of the following is used to move data from RDBMS of HDFS?

- a) Hive
- b) Sqoop
- c) Pig
- d) Flume

Q.6 Apache Pig script are written in:

- a) HiveQL
- b) Hadoop Script
- c) SQL
- d) Pig Latin

## SECTION-B

**Note:** Objective/ Completion type questions. All questions are compulsory. (6x1=6)

Q.7 What does HDFS stand for?

Q.8 Give one example of structured data.

Q.9 Mention any one challenge in Big Data Analytics.

Q.10 What is the function of Task Tracker?

Q.11 List one vendor of Hadoop.

Q.12 What do you understand by YARN?

## SECTION-C

**Note:** Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

Q.13 List various characteristics of Big data.

Q.14 What is Hive? Explain its uses.

Q.15 Describe the difference between structured and unstructured data.

Q.16 What are the benefits of big Data analytics?

Q.17 Write a note on the Pig Data Flow Engine.

Q.18 Explain the role of Mapper and Reducer in Mapreducer.

Q.19 Differentiate between Hadoop and Hive.