

No. of Printed Pages : 4

Roll No. ....

170854B

**5th Sem. / Trade-Computer**

**Subject : Big Data**

Time : 3 Hrs.

M.M. : 100

### SECTION-A

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

**(Course Outcome/CO)**

Q.1 Define Big Data? (CO-1)

Q.2 What is sorting? (CO-4)

Q.3 Full form of HDFS is \_\_\_\_\_? (CO-6)

Q.4 What is Hadoop? (CO-6)

Q.5 Pig is used for Programming. (True/False)  
(CO-6)

Q.6 Expand NAS? (CO-5)

Q.7 Define Array? (CO-6)

(1)

170854B

Q.8 Name one running mode of Hadoop? (CO-4)

Q.9 R is used for statistical computing. (True/False)  
(CO-4)

Q.10 What is HIVE? (CO-6)

### SECTION-B

**Note:** Very Short answer type questions. Attempt any ten parts (10x2=20)

Q.11 What is use of Pig in Hadoop? (CO-6)

Q.12 Define shuffling? (CO-4)

Q.13 Name two Hadoop vendors? (CO-6)

Q.14 Describe RDBMS? (CO-8)

Q.15 Is R an OOP? Describe? (CO-4)

Q.16 Define Data Frame? (CO-3)

Q.17 Write two characteristics of Big Data? (CO-1)

Q.18 What do you mean by IoT? (CO-8)

Q.19 Give example of Big Data? (CO-1)

(2)

170854B

- Q.20 Define unstructured data (CO-3)
- Q.21 What is distributed file system? (CO-7)
- Q.22 What do you understand by R? (CO-4)

### SECTION-C

**Note:** Short answer type questions. Attempt any eight questions. (8x5=40)

- Q.23 Define terms- Velocity and Value? (CO-1)
- Q.24 Differentiate between Pig and Hive? (CO-6)
- Q.25 What is task tracker? (CO-3)
- Q.26 How to get data in R? (CO-4)
- Q.27 What is use of Pig? (CO-6)
- Q.28 What do you understand by Unordered feature in R? (CO-4)
- Q.29 Explain different mode in which Haodop run? (CO-6)
- Q.30 What are Big data tools? (CO-2)

- Q.31 Why we are using Pig? (CO-6)
- Q.32 What is MapReduce technique? (CO-6)

### SECTION-D

**Note:** Long answer type questions. Attempt any three questions. (3x10=30)

- Q.33 Explain Big Data in detail with its characteristics and benefits? (CO-1)
- Q.34 What do you mean by Apache Hadoop and Hadoop ecosystem? Explain? (CO-4)
- Q.35 Describe MapReduce in detail? How it works? (CO-6)
- Q.36 What are five Vs in Big data? Explain? (CO-1)

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

(3)

170854B

(1940)

(4)

170854B