

SECTION-D

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

- Q.23 Describe the Architecture of Hadoop, including its main components and their functions
- Q.24 Define Big Data. What are the challenges associated with processing Big Data?
- Q.25 Write a Short on:
- YARN
 - Taxonomy of Big Data
 - Daemons

No. of Printed Pages : 4
Roll No.

223861

6th Sem / Artificial Intelligence & Machine Learning Subject : Big Data Analytics

Time : 3 Hrs.

M.M. : 60

SECTION-A

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

- Q.1 What is the use of data cleaning?
- To remove the noisy data
 - Transformation to correct the wrong data
 - Correct the inconsistencies in data
 - All of the above
- Q.2 Which of the following is not a characteristic of Big Data?
- Volume
 - Variety
 - Velocity
 - Simplicity
- Q.3 _____ function is responsible for consolidating the results produced by each of the Map () functions /tasks.

(20)

(4)

223861

(1)

223861

- a) Reduce b) Map
- c) Reducer d) All of the mentioned

Q.4 Map Reducer is _____?

- a) A distributed data processing framework
- b) A single computer data processing framework
- c) A database management system
- d) A network routing algorithm

Q.5 What language is used in Apache Pig?

- a) Python b) Java
- c) Perl d) PigLatin

Q.6 The results of a Hive query can be stores as?

- a) Local File b) HDFS File
- c) Both a & b d) Cannot be stores

SECTION-B

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

Q.7 HDFS stands for _____?

Q.8 Define the Variety of data?

Q.9 What is Hadoop?

Q.10 What is Map Reduce?

Q.11 RDBMS stands for?

Q.12 What is Pig?

SECTION-C

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

Q.13 Write the various advantages of Big Data in Education?

Q.14 What are the main characteristics of Big Data? Discuss at least three

Q.15 Write a note on Hadoop Ecosystem?

Q.16 Differentiate between RDBMS & Hadoop?

Q.17 Write a note on different nodes of HDFS?

Q.18 What do you meant by Word Count and Word Count Problem?

Q.19 Explain the working of MapReduce?

Q.20 Differentiate between Hadoop & Hive

Q.21 What is Hive? Briefly explain the working with Hive

Q.22 Explain the advantage of Pig