Marks: 25   Exam Date: 16th January 2019   Time: 1.5 hours

Notes:

● All 3 questions are compulsory.

● Start each question on a fresh page.

● Draw diagrams, mention examples & answer pointwise.

Questions:

1. Explain Big Data Framework in context of Hadoop Ecosystem with diagrams. List Mapping of each

   Apache Hadoop project with corresponding Big Data framework component. List the different types /

   categories of big data with examples which Big Data Framework can handle.   [6 Marks]

2. Define types of Big Data Analytics. List statistical algorithms used by Data Scientists to gain insight into

   data sets alongwith with example. List Data sources & Use Cases for Big Data Analytics in 3 industries

   (e.g. Retail / Telecom / Healthcare).   [9 Marks]

3. List the advantages of using Hadoop Enterprise Data Lake over traditional Enterprise Data

   Warehouse. Draw Data Lake Architecture for any one Industry (e.g. Retail / Telecom / Healthcare).

   Clearly Identify the Data Sources, Data Repository, Analytics Use Cases for that Industry.

        [10 Marks]

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