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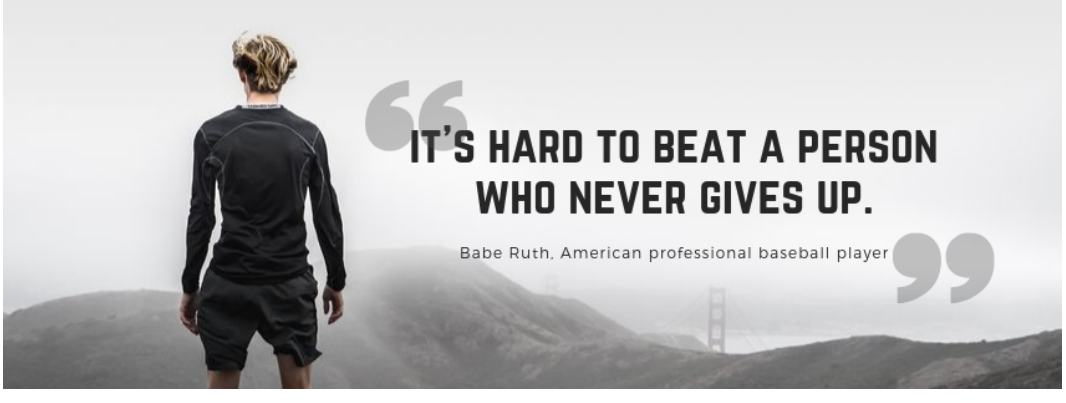

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B.E. (Computer Science & Engineering) Seventh Semester (C.B.S.)

Elective - I : Big Data Analysis & Business Intelligence

P. Pages : 2 **NRJ/KW/17/4630**

Time : Three Hours * 0 9 3 8 * Max. Marks : 80

Notes : 1. All questions carry marks as indicated.
2. Solve Question 1 OR Questions No. 2.
3. Solve Question 3 OR Questions No. 4.
4. Solve Question 5 OR Questions No. 6.
5. Solve Question 7 OR Questions No. 8.
6. Solve Question 9 OR Questions No. 10.
7. Solve Question 11 OR Questions No. 12.

1. a) Define Big Data? Explain characteristics of big data. **7**

b) Explain different modes of Hadoop. **6**

OR

2. a) Discuss data analytic problem in detail. **6**

b) Discuss different feature of R language. **7**

3. a) Explain concept of HDFS and map reduce architecture. **7**

b) Describe Hadoop mad reduce fundamentals. **7**

OR

4. a) Describe different ways to write map reduce in R. **7**

b) Explain architecture of RHIPE and R Hadoop. **7**

5. a) Write short note on:- **any two.** **13**

i) Supervised Machine learning algorithm.

ii) Unsupervised Machine Learning Algorithm.

iii) Data Analytic Project cycle.

OR

6. a) Describe "Web page categorization" the data analytics problem. **7**

b) Write concept of stock market exchange analytics problem. **6**

7. a) Explain Business Intelligence Technologies in details with frame work. **13**

OR

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8.	a)	Explain Role of responsibilities of business intelligence	**6**
	b)	Explain data ware housing in business intelligence.	**7**
9.		Explain the following **any three.** i) Star schema ii) Snowflake schema. iii) Data profiling concept. iv) Multidimensional Data model.	**13**

OR

10.	a)	Why Data Quality matter? Define data Quality Describe Several dimension of Data Quality.	**6**
	b)	What is data hazards in ILP.	**7**
11.	a)	What are functional and non functional Requirement for requirement gathering and analysis.	**7**
	b)	Explain concept of functional Requirement in BI project.	**7**

OR

12.	a)	Explain non-functional Requirement in BI.	**7**
	b)	Explain post Production support in BI.	**7**

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The secret of getting ahead is getting started.

~ Mark Twain