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**M.Tech (CSE Engg.) Big Data (Campus) (Sem.-2)****FUNDAMENTALS OF BIG DATA ANALYTICS****Subject Code : CSB-211****M.Code : 51091****Time : 3 Hrs.****Max. Marks : 60****INSTRUCTIONS TO CANDIDATES :****1.Attempt any FIVE questions out of EIGHT questions.****2.Each question carries TWELVE marks.**

- Q1 What is the role of data scientist? Explain the skills needed for data scientist.
- Q2 a) Explain the industry applications of big data analytics.  
b) Discuss the main phases of data analytics lifecycle.
- Q3 How advanced SQL is beneficial for solving Queries in Big Data? Give Example.
- Q4 What is the role of MapReduce? Write the key features of MapReduce to analyze unstructured data.
- Q5 Write short notes on following :  
a. Hadoop  
b. NoSQL
- Q6 Define Clustering. Explain how K-Means clustering is used for cluster analysis in Big Data?
- Q7 What is naive Bayesian classification in Big Data? How it is used for statistical modelling?
- Q8 What is R data analysis? Discuss the basic components of R? Why Data Exploration is a crucial stage of predictive model?

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**

