**MALLA REDDY ENGINEERING COLLEGE**

(AUTONOMOUS)

**QUESTION BANK**

III B.Tech II-Sem MR 18

**NAME OF THE SUBJECT:**BIG DATA ANALYTICS

**NAME OF THE FACULTY:T.SWAPNA**

**BRANCH:** INFORMATION TECHNOLOGY

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| **Question No** | **Questions (Module I)** | **Bloom’s Taxonomy Level** | **CO** |
| 1 | Illustrate the Big data characteristics. Compare and Contrast BI and Data Science | Understanding | 1 |
| 2 | Illustrate Overview of Data Analytics Lifecycle | Understanding | 1 |
| 3 | Explain Analyst Perspective on Data Repositories | Understanding | 1 |
| 4 | Explain Current Analytical Architecture | Understanding | 1 |
| 5 | What is Exploratory Data Analysis? Explain different data structures in R. Describe rbind() and cbind()functions in Data Frames with example | Remembering | 1 |
| 6 | Create a vector containing mixed element {1,’a, 2,’b’} and find its class.  Find mean, median and mode of following numbers 12,13,11,10,9,11,7,11,10,15,16,11 | Analyzing | 1 |
| 7 | Compare and Contrast descriptive and inferential statistics and explain hypothesis testing with example | Creating | 1 |
| 8 | Discuss about scatter plot, Box and whisker plot and histogram analysis in R with example | Creating | 1 |

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| **Question No** | **Questions (Module II)** | **Bloom’s Taxonomy Level** | **CO** |
| 1 | Explain Google File System Architecture with neat diagram | Understanding | 2 |
| 2 | What is HDFS? Explain the HDFS Architecture with a neat diagram | Remembering | 2 |
| 3 | Explain Building blocks of Hadoop (Namenode, Datanode, Secondary Namenode, JobTracker, TaskTracker). | Understanding | 2 |
| 4 | Explain about Secondary Name Node | Understanding | 2 |
| 5 | Explain HDFS Read-Write Architecture | Understanding | 2 |
| 6 | Discuss about Job Tracker and Task Tracker in detail | Creating | 2 |
| 7 | Explain in detail about configuring/installing hadoop in pseudo distributed mode | Understanding | 2 |
| 8 | Explain Configuring Hadoop cluster (Local, Pseudo-distributed mode, Fully Distributed mode), | Understanding | 2 |

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| **Question No** | **Questions (Module III)** | **Bloom’s Taxonomy Level** | **CO** |
| 1 | Explain Hadoop API for MapReduce Framework with neat diagram | Understanding | 3 |
| 2 | Compare and Contrast Hadoop API for MapReduce Framework (Old and New) | Analyzing | 3 |
| 3 | Develop the java code for MAP REDUCE to find highest temperature on weather data set | Applying | 3 |
| 4 | Develop the java code for MAP REDUCE of word count problem | Applying | 3 |