**MALLA REDDY ENGINEERING COLLEGE**

**(AUTONOMOUS)**

**IV B.Tech II-Semester - MR17 Regulations**

**Mid-1 Subjective Question Bank**

**Subject: BIG DATA ANALYTICS Branches: CSE & IT**

**Subject Code: 70541 Max. Marks: 20**

**Time Duration: 90 Minutes**

**Instructions:**

**1. All the questions carry equal marks**

**2. Solve all the questions**

**Module I**

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| **Question No** | **Question** | **Bloom’s Taxonomy Level** | **CO** |
| 1 | Develop a program implementing Linked List using all its methods | Applying | 1 |
| **(OR)** | | | |
| 2 | Explain Java Map Interface and illustrate the classes and methods that implement Map | Understanding | 1 |
| 3 | Illustrate the set operations and methods with an example | Understanding | 1 |
| **(OR)** | | | |
| 4 | List all Wrapper Classes and give examples for auto boxing and  un boxing | Remembering | 1 |
| 5 | Develop a java program for implementing Priority Queue Class using all its methods | Applying | 1 |
| **(OR)** | | | |
| 6 | Develop a java program to implement Stack ADT | Applying | 1 |
| 7 | Construct a simple java program to show working of user defined Generic Classes | Applying | 1 |
| **(OR)** | | | |
| 8 | Explain the concept of Serialization and DeSerialization with  examples? | Understanding | 1 |

**Module II**

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| **Question No** | **Question** | **Bloom’s Taxonomy Level** | **CO** |
| 1 | Explain Google File System Architecture with neat diagram | Understanding | 2 |
| **(OR)** | | | |
| 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 |
| **(OR)** | | | |
| 4 | Write short notes on Secondary Name Node | Understanding | 2 |
| 5 | Explain HDFS Read-Write Architecture | Understanding | 2 |
| **(OR)** | | | |
| 6 | Discuss about Job Tracker and Task Tracker in detail | Creating | 2 |
| 7 | How the configuring/installing hadoop in pseudo distributed mode will done. | Understanding | 2 |
| **(OR)** | | | |
| 8 | Explain Configuring Hadoop cluster (Local, Pseudo-distributed  mode, Fully Distributed mode), | Understanding | 2 |

**Module III**

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| **Question No** | **Question** | **Bloom’s Taxonomy Level** | **CO** |
| 1 | Explain Hadoop API for MapReduce Framework with neat diagram | Understanding | 3 |
| **(OR)** | | | |
| 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 |
| **(OR)** | | | |
| 4 | Develop the java code for MAP REDUCE of word count problem | Applying | 3 |

**Course Coordinator HOD**