Roll No. ☐☐☐☐☐☐☐☐☐☐   **Total No. of Pages : 01**

Total No. of Questions : 08

M.Tech.(CSE Engg.) (2015 to 2019) EI-I /(IT)E3 (2015 & Onwards)(Sem.–3)
BIG DATA ANALYTICS
Subject Code : MTCS-302
M.Code : 74152

Time : 3 Hrs.   **Max. Marks : 100**

INSTRUCTIONS TO CANDIDATES :
1. **Attempt any FIVE questions out of EIGHT questions.**
2. **Each question carries TWENTY marks.**

1. Explain the use of Sqoop and Flume in Hadoop Ecosystem also explain the use of Hive and pig.

2. Define big data and their 3V's concepts also explain Hadoop framework layered model and their component in detail.

3. What is the concept of Map Reduce? Explain different stages of Map Reduce process.

4. Write a word count program with Map Reduce using Java.

5. Why YRAN was introduced in Hadoop Ecosystem? Explain functionality in detail. Discuss one NoSQL data model and database.

6. Explain YARN architecture in detail and role of Hadoop framework.

7. Discuss any five types of in data analytics tools of big data.

8. Explain R tool and how we can manipulates and process data in R tool.

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.