ISIT312

Big Data Management

SIM S4 2025

Final Exam

Exam D&T:

TBC
3 hours
face-to-face
closed–book

The venue and seat will be announced by SIM

Question:

50 marks in total
6 short answer questions
no multiple choice questions
no Java programming questions
a cheat sheet with HDFS, HQL, Hbase, and Spark examples will be provided

Final Exam

Contents:
1. Hadoop architecture (HDFS, YARN, MapReduce layers)
2. MapReduce Model (read->map->shuffle->sort->reduce)
3. Basic Hadoop HDFS commands
4. Hive concept, structure
5. Basic HQL commands
6. Data warehouse concept and design
7. Multidimensional data model
8. Relational data model
9. Hbase model (basic commands)
10. Spark concept, data model, and operations (basic commands)

Questions ?