

**END SEMESTER EXAMINATION
BIG DATA SEARCH**

Programme Name: B.Tech(CSE- BIG DATA)

Semester : VI

Course Name : Big Data Search

Course Code : CSBD3004

Max. Marks : 60

Nos. of page(s) : 01

Instructions : 1.This is an Open Book Exam.

2.All questions are compulsory.

3.Time Duration : 4 hours

4.Support your answer with appropriate diagrams wherever required .

5.Upload the assignment on Blackboard in pdf format.

S. No.		Marks	CO
Q1	Highlight the reasons that led to emergence of concept of big data search. List few open source tools used for big data search .	10	CO1
Q2	Discuss the different challenges faced by text search engine .Describe TF-IDF in Apache Lucene.	10	CO1
Q3	Explain the terms document ,field, term,token in Apache Lucene . Describe what are segments in Apache Lucene .	10	CO2
Q4	Explain the Apache Lucene architecture with help of a diagram . Discuss The concept of Inverted index in Apache Lucene with the help of an example .	10	CO2
Q5	Discuss The Apache Solr Architecture . Discuss the features of Kafka.	10	CO3
Q6	Highlight the disadvantages of Elastic Search . Discuss the split-brain concept in Elastic Search	10	CO3