B.E. (IT) (Sem -VIII) (CBSGS)

(3 Hours)   [Total Marks : 80]

Please check whether you have got the right question paper.

N.B.:   1)   Question No.1 is compulsory
         2)   Attempt any three questions from remaining.
         3)   Assume suitable data if necessary.
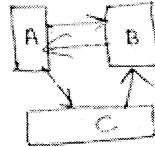
1. Answer the following
    a) Define Edit distance. Explain with example.   (05)
    b) What is the role and effect of page rank?   (05)
    c) List the different issues in stream processing.   (05)
    d) Distinguish between Name node and Data node.   (05)

2. a) Compare and contrast   (10)
        i)   Multistage and Multihash
        ii)   SQL and NoSQL
    b) Explain FM algorithm with example?   (10)

3. a) Compute simplified page rank using damping factor d = 0.9 for web.   (10)

    b) Explain selection and projection relational algebraic operation using (10)
        MapReduce.

4. a) Explain the different Hadoop components?   (10)
    b) Explain SIMRANK Algorithm with suitable example?   (10)

5. a) Define Hub and Authority. Compute Hub and Authority scores for web. (10)

    b) Explain different types of recommendation system with real time examples? (10)

6. Answer the following   (20)
    a) NoSQL data stores
    b) SON algorithm with Map Reduce
    c) MapReduce for Matrix-Multiplication
    d) Clustering using Representatives Algorithm

2337C0CD50FE594F32A7EB635DD0DECA