

Big Data Analytics.

QP Code :725302

(Time: 3 Hrs)

Marks: 80

- N.B. : 1. Question no. 1 is compulsory.
2. Solve any Three questions out of remaining Five questions.

- Q-1** Write short Note on:
- a) Big Data & its characteristics 5
 - b) Distance Measures for Big Data 5
 - c) The Map & Reduce Tasks 5
 - d) Multistage Frequent Itemset Mining Algorithm 5
- Q-2**
- a) Explain HDFS architecture with diagram. 10
 - b) Explain Column family store and Graph Store NoSQL architectural pattern with examples. 10
- Q-3**
- a) Explain Matrix-Vector multiplication algorithm by MapReduce? 10
 - b) Explain Issues in Data stream query processing? 10
- Q-4**
- a) Explain 10
 - 1) Bloom Filter with the help of an example
 - 2) Steps of HITS algorithm
 - b) Explain structure of web with suitable diagram? 10
- Q-5**
- a) Explain Park-Chen-Yu algorithm? How memory mapping is done in PCY? 10
 - b) Explain CURE algorithm with initialization & completion phase? 10

[Turn Over

- Q-6** a) How recommendation is done based on properties of product? Explain with suitable example? 10
- b) For following graph, show how the clique percolation method (CPM) find cliques. 10
Explain with steps?

