SEM- VIII I.T. (5845) Big Data Analytics.

24/5/16

QP Code:725302

(Time: 3 Hrs)

Marks: 80

N.B	.:1. C 2. S	Question no. 1 is compulsory. Olve 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	10
		examples.	n
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
	275	6 L. CURR L. M Ist initialization & completion phase?	10

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

