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Second Semester M.Tech. Degree Examination, Dec.2015/Jan.2016 Managing Big Data

Time: 3 hrs.		Max. Marks: 100
	Note: Answer any FIVE full questions.	

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1	a.	What is big data and why is it important?	(06 Marks)
	b.	Explain the expanding universe of unstructured data.	(04 Marks)
	C.	With an example, explain industry examples of big data.	(10 Marks)
2	a. b.	Explain open-source technology for big data analytics. Explain the following: i) Mobile business intelligence	(10 Marks)
		ii) Inter and trans firewall analytics	(06 Marks)
	c.	Why NOSQL? Explain the value of relational databases.	(04 Marks)
3	a. b.	With an example, explain relations and aggregate. Explain the following: i) Graph databases	(10 Marks)
		ii) Schemaless databases	(06 Marks)
	c.	Explain sharding and replication.	(04 Marks)
4	a. b.	Explain the following: i) Partitioning and combining	(10 Marks) (10 Marks)
5	a.	Explain the following Hadoop operations: i) Analysing data with Hadoop ii) Hadoop streaming iii) Hadoop pipes	(10 Marks)
	b.	Production About the Control of the	(10 Marks)
6	a.	Explain the following:	
U	a.	DIFFE TO STATE OF THE STATE OF	(10.34
	b.		(10 Marks)
	c.	© 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(05 Marks) (05 Marks)
		v	(05 1414185)
7.	a. b.	With an example, explain failures in classic map reduce and YARN. Explain the following map reduce types:	(06 Marks)
	Ο.	'\ T C	(04 Marks)
	c.		(04 Marks) (05 Marks)
	d.		(05 Marks) (05 Marks)
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8	a. b.	Explain the Cassandra elevator piten. Explain the following:	(10 Marks)
	υ.	i) Hive data types and file formats	
		ii) Hive QL data definition	
		III) III OI dese	(10 Mastra)
		, — — — ·······························	(10 Marks)

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