(Time :1 Hours)

[Total Marks: 25]

N.B:	(1) All questions are compulsory.	
	 (2) Figures to the right indicate full marks. (3) Assume additional data if necessary but state the same clearly. 	437°
	(4) Symbols have their usual meanings and tables have their usual star design unless stated otherwise.	ndard
Q.1	Attempt <u>any two</u> of the following	(10)
a)	Define NoSQL. Explain any four characteristic of NoSQL.	05
b)	What are key value stores? List out some popular key value databases.	05
	Explain how all the data is stored in a single bucket of key value store.	
c)	What is architectural framework of HBase distributed storage system?	05
d)	How to create records in document centric databases? Explain with	05
,	examples.	
Q.2	Attempt <u>any two</u> of the following	(10)
a)	How to create and use indexes in MongoDB?	05
b) (Explain distributed ACID system.	05
c)	How to access data from Column-Oriented Databases like HBase?	05
d)	What are the similarities between SQL and MongoDB Query features?	05
Q.3	Attempt any one of the following	(05)
a)	How to Access documents from Mongodb? Explain with examples?	05
b) /	Explain indexing in Apache Cassandra.	05
J. S. P.		

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