

JBF-003-1081003 Seat No. _____

M. Sc. (IT & CA) (Sem. I) (CBCS) Examination

December - 2019

CS - 03 : NoSQL Database : MongoDB

Faculty Code: 003

Subject Code: 1081003

Tir	ne:	$2\frac{1}{2}$ H	Iours] [Total Marks	: 70
1	A	Ans	swer the following:	4
		1	command is used to display list of	
			databases.	
		2	method is used to retrieve only one document from collection.	
		3	MongoDB stores documents in	
		4	MongoDB is type of NoSQL database.	
	В	Ans	swer any one in brief:	2
		1	What is NoSQL?	
		2	How to create collection in MongoDB?	
	\mathbf{C}	Ans	swer any one in detail :	3
		1	Explain database, collection and document.	
		2	List and explain characteristic of NoSQL.	
	D	Ans	swer any one :	5
		1	Explain \$in, Snin, \$all, \$or and \$ne with suitable example.	
		2	Explain different types of NoSQL databases.	
2	A	Ans	swer the following:	4
		1	method is used to insert data in MongoDB.	
		2	method skips a number of results in a cursor.	
		3	The method invoked on the MongoCursor object sorts the query results based on the value of a specified field.	
		4	The count() returns the number of items in the cursor. True or False?	

	В	Answer any one in brief:		
		1	What is upsert?	
		2	Explain sort() method.	
	\mathbf{C}	An	swer any one in detail:	3
		1	Explain count(), skip() and limit().	
		2	How to manage relationship between documents?	
	D	An	swer any one :	5
		1	Explain how to insert data in MongoDB using PHP with suitable example.	
		2	Explain how to display data from MongoDB using PHP with suitable example.	
3	A	An	swer the following:	4
		1	In PHP, a session is initiated by calling the built- in method.	
		2	method of session_set_save_handler() function called whenever a session is initiated with session_start().	
		3	A session can be terminated by calling method.	
		4	HTTP is stateless protocol. True or false?	
	В	An	swer any one in brief:	2
		1	What is HTTP session?	
		2	What are the limitations of php native session handling?	
	\mathbf{C}	An	swer any one in detail:	3
		1	Explain read() callback function of session_set_save_handler().	
		2	Explain write() callback function of session_set_save_handler().	
	D	An	swer any one :	5
		1	How to implement session handling using mongod	b?
		2	Explain PHP native session handling.	
4	A	An	swer the following:	4
		1	Result of group() has to be less than MB size.	in
		2	command gives all the distinct values.	
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		3	phase breakdown the task into smaller subtasks and execute them to produce intermediate	
		4	results MapReduce has been derived from functional	
	ъ	Α -	programming paradigm. True or false?	a
	В		swer any one in brief:	2
		1	How to define map() function?	
	~	2	What is the use of distinct()?	_
	С		swer any one in detail:	3
		1	How to perform mapreduce using MongoDB?	
		2	Explain runCommand() method with all arguments.	
	D	Ans	swer any one :	5
		1	Explain group() with suitable example.	
		2	What is MapReduce? Explain it in detail.	
5	A	Ans	swer the following:	4
		1	is a technique that allows you to spread your data across multiple Machines.	
		2	In GridFS each chunk stores up to of data.	
		3	function is used for adding new indexes to a collection.	
		4	tilles. utility can import data from different	
	B Answer any o		swer any one in brief:	2
		1	How to take backup of single database and single collection?	
		2	What is the use of profiler?	
	C Answer any one		swer any one in detail :	3
		1	Explain how to import and export data?	
		2	Write a note on sharding.	
	\mathbf{D}	Ans	swer any one :	5
		1	Explain GridFS.	
		2	List different replication topologies. Explain any	