These are sample MCQs to indicate pattern, may or may not appear in examination

University of Mumbai Online Examination 2020

Program: BE Computer Engineering Curriculum Scheme: Revised 2012 Examination: Final Year Semester VIII

Course Code: CPE8035 and Course Name: Big Data analytics

Time: 1hour Max. Marks: 50

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Note to the students:- All the Questions are compulsory and carry equal marks .		
Q1.	The Data structure of Big data is	
Option A:	Static	
Option B:	Dynamic	
Option C:	Semi-structured	
Option D:	centralised	
Q2.	The Pig Latin scripting language has operators similar to	
Option A:	SQL	
Option B:	JSON	
Option C:	XML	
Option D:	Python	
Q3.	What was Hadoop written in ?	
Option A:	C	
Option B:	C++	
Option C:	Java	
<u> </u>		
Option D:	Python	
	stores are used to store information about networks, such as social	
Q4.	connections.	
Option A:	Key-value	
Option B:	Column Store	
Option C:	Document Store	
Option D:	Graph Store	
орион В.	- Craph Store	
	In Column store databaseprovides date and time when data is inserted in	
Q5.	database.	
Option A:	Name	
Option B:	Timestamp	
Option C:	Row key	
<u> </u>	Value	
Option D:	value	
	What is the great at NeCOl is which the control of	
06	What is the property of NoSQL in which the system continues to function even if	
Q6.	communication between servers fails?	

Option A:

Consistency

Option B:	Availability
Option C:	Partition Tolerance
Option D:	Redundancy
Q7.	HBase uses theFile System to store its data
Option A:	Hive
Option B:	Impala
Option C:	Hadoop
Option D:	Scala
Q8.	Which of the following phases occur simultaneously ?
Option A:	Reduce and Sort
Option B:	Shuffle and Sort
Option C:	Shuffle and Map
Option D:	Reduce and Map
Q9.	For YARN, manager performs allocation of resources and scheduling.
Option A:	DataNode
Option B:	NameNode
Option C:	Resource
Option D:	Replication
Q10.	Cartesian product in relational algebra is
Option A:	Unary Operation
Option B:	Binary Operation
Option C:	Ternary Operation
Option D:	Aggregation operation
орион В.	ASSI Egation operation
Q11.	Which of the following is not a type of Distance Measure?
Option A:	Euclidean distance
Option B:	Cosine Distance
Option C:	Zero distance
Option D:	Edit Distance
Q12.	What is Jaccard distance between two sets A & B, where A={1,2,3,4} and B={2,3,4,5}?
Option A:	0.2
Option B:	0.6
Option C:	0.4
Option D:	0.8
· ·	
	Which of the following streaming windows show valid bucket representations according to
012	the DGIM rules?
Q13.	the bolivi rules:

Option A:	1100100110110
Option B:	00110111001
Option C:	111100100101
Option D:	0110100101011
Q14.	Jaccard Distance between sets x & y is given by
Option A:	1+Jaccard Similarity(x,y)
Option B:	1-Jaccard Similarity(x,y)
Option C:	1*Jaccard Similarity(x,y)
Option D:	2-Jaccard Similarity(x,y)
	distance is the angle made by two vectors from origin to the two points in
Q15.	the space
Option A:	Jaccard Distance
Option B:	Euclidean Distance
Option C:	Cosine Distance
Option D:	Edit Distance
r	
	In FM algorithm, We use estimate to count number of distinct elements in the
Q16.	given data stream.
Option A:	2^R
Option B:	3^R
Option C:	2R
Option D:	3R
Q17.	In DGIM algorithm, Which of the following is not the rule for creating Bucket?
Option A:	The right end of bucket should be always 1
Option B:	The size of bucket should be power of 2.
Option C:	Every bucket should have atleast one '0'
Option D:	On moving from right to left, the size of bucket will increase.
орион Б.	en meting it entrigite to leng the size of business tim mercuse.
010	The time complexity for EM election is
Q18.	The time complexity for FM algorithm is
Option A:	O(log m)
Option B:	O(2n)
Option C:	O(n)
Option D:	O(3n)
Q19.	Number of buckets in DGIM algorithm is given by
Option A:	O(log N)
Option B:	O(log^2 N)
Option C:	O(log 3N)
	1, 0 /

Ontion D	O(N)
Option D:	O(14)
030	Which algorithm we will implement to know how many distinct users visited the website
Q20.	till now or in last 2 hours.
Option A:	DGIM
Option B:	PCM
Option C:	FM
Option D:	SON
	T
	In Structure of Web, the components that can reach to Strongly connected components
	but not reachable from strongly connected components are known as
Q21.	
Option A:	Out components
Option B:	In components
Option C:	tendrils in
Option D:	tendrils out
	Identify the property of frequent itemsets which is defined as follows ' If a set of items in a
Q22.	dataset is frequent then all others are its subsets.'
Option A:	Support
Option B:	Distinct
Option C:	Confidence
Option D:	Monotonicity
Q23.	Which of the following is not stream clustering algorithm?
Option A:	COBWEB
Option B:	ВДМО
Option C:	SON
Option D:	C2ICM
	A matrix is used by recommendation system in which entities are users and
Q24.	items.
Option A:	Sparse Matrix
Option B:	Utility Matrix
Option C:	Similarity Matrix
Option D:	Comparison Matrix
Q25.	A graph is said to be if it does not posses a cycle of an odd length.
Option A:	Bipartite graph
Option B:	Complete Bipartite graph
Option C:	histogram
Option D:	Trignometric