STELLA MARIS COLLEGE (AUTONOMOUS) - CHENNAI 86 DEPARTMENT OF COMPUTER SCIENCE END SEMESTER EXAMINATION - NOV 2019

SUB CODE: 15CS/UI/BD23 MAX MARKS: 100 SUB: BIG DATA ANALYTICS DURATION: 3 HRS

Section A	$20 \times 1 = 20$
Answer ALL the questions	
CHOOSE THE BEST ANSWER	
1 is an appropriate example of a programn	ning model for processing and generating
large data sets with a parallel, distributed algorithm.	1
a) MapReduce b) C c) Java d) Wi	ndows
2 is/are the examples of unstructured data.	
a) image b) Video c) Audio d) All of the	
3. An analytics engine provides a mechanism for accumula	
and matches as well as capabilities for analysing this data	using modeling and
reporting tools.	A) Alicenter
a) descriptive b) prescriptive c) predictive	
4 computing helps to identify and count, fi	
of unrelated streams to score alternatives against previousl	
a) Distributedb) Streamc) Hadoopd) Cas5 level encryption makes data unusable because	
encrypted data.	many applications cannot analyse
a) File b) OS c) Internal file	d) both a and c
6. Big Data has the potential to solve challengesin	
a) science and education b) environment and s	 sustainability medicine commerce
c) cyber and national security d) All of the mentioned	sustaina office, incaronic, commerce
7 data processing eliminates the problem of	slower disk access.
a) In-memory b) Distributed c) Sequential	
8learning provides systems the ability to	automatically learn and improve from
experience without being explicitly programmed.	
a) Artificial b) Machine c) Virtual	d) Computer
9 is the incremental copying of data to establ	lish a point in time to which the system
can be rolled back.	
a) Snapshot b) Replication c) commit d) into	egrity
10. Hadoop framework works with tools	5.
a) MapReduce, Hive b) MapReduce, MySQL c) Ma	pReduce, foxpro. d) Heron and Trumpet
FILL IN THE BLANKS	
	a well to create an extremely accurate
11 company has leveraged its Big Dat representation of what products a customer should buy.	a wen to create an extremely accurate
12 analytics is a process that determines pa	
and human-to-system interaction data.	terms of contavior from frametrico frametri
13. IBM's tool helps to visualise the unstructured	l data.
13. IBM's tool helps to visualise the unstructured 14 algorithm removes or randomises PII but of	loes not destroy statistical patterns
required by a data scientist.	,
15 refers to creations of the human mind, such	as inventions, literary and artistic works,
and symbols, names, images, and designs used in commer	
16 maps tasks across a cluster of machines, sp	
reducing the results into one master calculation.	

17. IBM's, a natural language. 18 data c 19. The process of runnin 20. HDFS provides fault	ontains dissimilar typ ng multiple tasks simu	e of data. Iltaneously is calle		uestions posed in
Section B Answer ALL the question 21. Comment on "Data and 22. What is data obfuscat 23. List the different data 24. Is there any value for 25. List the four key comments of the comments of	nd Data Analytics are ion? sources available. anomalies while proc		plex".	2 = 10
Section C Answer any EIGHT of the 26. List the big data character 27. Write short notes on a second	acteristics and explain a) Cassandra b) I	Dynamo		5 = 40
28. Explain any three tech 24. Discuss on combining them together for an over 25. List and explain any toffer to work effectively 26. Explain the rules an o 27. Compare Revolutional analytics.	g inferences drawn from all ranking. Three specific charactes with Big Data analytic organisation should entry, Evolutionary and	om structured and reristics and feature cs processes. abrace to protect II Hybrid approach i	unstructured as that a Big Da P. In the implem	nalysis and using ata platform should entation of big data
28. Explain the five levels 29. Explain Map Reduce 30. What are the key task them.	and YARN.	-	•	
Section D Answer any THREE of 31. Explain any five big of 32. Discuss in detail on M 33. Explain the challenge 34. Explain in detail the s big data analytics.	data analytics applicat Massively Parallel Pro- s posed by Big Data v	cessing Platforms. with respect to stor	rage.	10 = 30 oth deployment of
35. Write short notes on	a) Zookeeper	b) Hbase	c) Hive	d) Mahout