## RDRS SATEME

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USN													18CS72
Seventh Semester B.E. Degree Examination, Dec.2023/Jan.2024													
									Analyt	11			
Time: 3 hrs.							A CONTRACTOR OF THE CONTRACTOR						Marks: 100
								-90					
Note: Answer any FIVE full questions, choosing ONE full question from each module.													
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1	a.	How	is Data	Δrc	hitect	hira lavai	To Jugar	Modul		nlain wit	h 6		ach layer.
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	b.	Brief	ly desc	ribe 1	the th	ree funda	mental	services	soffered	by Cloud	d Comp	uting.	(10 Marks)
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								OR	CAY				
2	a.	List t	he feat	ures	of Gr	id Comp	uting. l	How doe	es it diffe	r from c	lusters a	and clou	d computing.
	b.	Why	is Data	פנות	ity in	nnortant	in disoc	warin	M NOVYZ TEMOV	uladaa au		1	(10 Marks)
	0.	Willy	is Data	qua	uty 111	nportant	iii uiscc	vering i	iew knov	vieuge ar	ia decis	ion mak	ing? (10 Marks)
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3	a.	List I	Iadoop	core	comp	ponents a	and exp	lain with	n appropr	riate diag	ram.		(10 Marks)
	b.	Expla	in the	work	ing of	f the Had	oop Ma	ap Redu	ce frame	work.			(10 Marks)
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4	a.	Evnla	in the	work	ing of	f Hadoop	. 2 Ev	OR	model (X	ZADNINA	a de IV	7	(1035
•	b.											tional da	(10 Marks) ta.(10 Marks)
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					<u> </u>		M	lodule-:	3		<b>&gt;</b>		
5	a.	Defin	e NOS	QL E	xplai	n Big Da	ita NOS	SQL or 1	Not – onl	y SQL w	ith its f	eatures,	transactions
		and so	olution	s. 🤝			234	align.	4			·	(10 Marks)
	b.	Descr	ibe gra	ph da	atabas	se charac	teristic,	, typical	used and	example	es.		(10 Marks)
		/					<b>Y</b> Y	0.0	$G_{\mathfrak{Z}}^{\lambda}$				
6	a.	Evnla	in Mor	oo F	D wi	th ita faa	<b>*</b>	OR	4				
J	a. b.					th its fear RDBMS		ongo DE	datahas	ec.			(10 Marks)
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(05 Marks)

Module-4

- Describe the Hive architecture components along with Hive Built in functions. (10 Marks)
  - Explain with respect to Hive QL
    - Hive QL Data Definition Language (DDL).
    - ii) Hive QL Data Manipulation Language (DML).

(10 Marks)

Explain the architecture, feature and applications of PIG. 8

(10 Marks)

Illustrate by considering an example the working of the Map Reduce programming model.

(10 Marks)

Module-5

9 a. How does regression analysis predict the value of the dependent variable in case of linear regression? (10 Marks)

b. Explain with example and algorithm, the working principle of Apriori process for adopting the subset of frequent item sets as a frequent itemset. (10 Marks)

10 a. Define Web Mining. Discuss the broad classification of web mining and their applications. (10 Marks)

b. Define the term Social network. Explain social network as graphs with Centralities, Ranking and Anomaly Detection. (10 Marks)