Code:	utonomous Inst (Reaccr	ATHI NARAYANAN COLLEGE citution Affiliated to Madurai Kamaraj Unive edited with Grade 'B' by NAAC) Madurai – 625 022.  -Summative Examinations – April 2024 Semester: IV DATA ANALYTICS Max: 75 Marks		
Ansv	wer ALL quest	SECTIO tions. Choos		5 x 1 = 5 swer. (K2 Level)
1.	·			
	a) Wireless m		b) Wired med	
	c) Both		d) None	
2	In which lang	ch language is Hadoop written?		
	a) C++		b) Java	
	c) Rust		d) Python	
3.	Which of the	e following phases occur simultaneously?		
	a) Shuffle and	l Sort	b) Shuffle and	d Map
	c) Reduce and	l Sort	d) All of the a	above
4.	In a Hadoop	cluster, if a D	ata Node fails:	
	a) Data will be	e lost		
	b) job Tracker	r will be notif	fied	
	c) Name Node	e will re-repli	cate the data blo	ck other nodes.
	d) Resource M	Manager will	start the Data no	de
5.	Which scripting	oting language is used by pig?		
	a) HiveQl		b) Java	
	c) Pig Latin		d) Python	

M2M stands for
HDFS stand for
can best be described as a programming model
to develop Hadoop-based applications that can process massive
amounts of data.
A is a group of computers that work together to
store and process data.
function is used to read data in pig.
$SECTION - B   5 \times 2 = 10$
Answer ALL the questions.
Which is called big data? (K2)
What are the uses of hadoop streaming? (K2)
How does map reduce work? (K3)
What is full form of yarn? (K4)
What is pig? (K5)
SECTION - C   5 x 5 = 25
swer any THREE questions choosing either (a) or (b) in about two pages ea
a) What are the sources of Big Data? Explain. (K1) (Or)
b) List any five big data applications and explain
a) Write about block in HDFS. (K2) (Or)
b) How to read data from a Hadoop?

 $5 \times 1 = 5$ 

II. Fill in the blanks (K1 Level)

- 18. a) Discuss about Application master Failure. (K3) (Or)
  - b) Illustrate about Anatomy of a Map Reduce Job Run.
- 19. a) Write note on Security. (K4)

(Or)

- b) Write note on Hadoop Benchmarks.
- 20. a) Explain filtering data in data processing operators. (K5) (Or)
  - b) Explain the group statement in HiveQL.

SECTION – D

Answer any THREE questions in about four pages each.

 $3 \times 10 = 30$ 

22. Explain about design of HDFS. (K3)

21.

23. Describe about running locally to test Data. (K2)

Describe about benefits of Big data. (K2)

- 24. Discuss about cluster specification. (K4)
- 25 Explain about Hive Services. (K5)