	45
	3
	. =
	77
	ă
	L
	D
	=
	35
	10
	2
	∇
	0
	=
	63
	~
	4
S	0
ñ	Ā
α	
\bar{a}	=
9	
4	5
$\stackrel{*}{=}$	
=	0
2	100
0	41
_	11
OD	
□ É	∞
=	+
	2
4	4
_	~
	DA
D	03
_	-
1)	
ć	0
	=
_	-=
=	-
$\overline{}$	5
2	
D	35
	=
=	0
	. =
Š	B
2	\Rightarrow
_	10
3	S
7	
ਜ`	5
7	10
=	-
5	D
iogi	pun
lagon	and
uragon	r and
ulagon	or and
w diagon	ntor and
aw uragor	nator and
law ulagor	luator and
uraw uragor	aluator and
ulaw ulagor	valuator and
y allaw allagor	evaluator and
ily ulaw ulagor	evaluator and
niny draw dragor	o evaluator and
solliy diaw diagor	to evaluator and
Isolily draw dragor	al to evaluator and
disolily draw dragor	al to evaluator and
Juisonny draw diagon	eal to evaluator and
ipulsoriny draw diagon	peal to evaluator and
inpulsoring draw dragor	appeal to evaluator and
ompuisonny draw diagon	appeal to evaluator and
compulsoring draw diagon	1, appeal to evaluator and
, compulsoing diaw diagon	in, appeal to evaluator and
s, compulsointy draw diagon	ion, appeal to evaluator and
ors, compulsorny draw diagon	tion, appeal to evaluator and
vers, compulsoring allaw allagon	ation, appeal to evaluator and
wers, compulsoning allaw diagon	ication, appeal to evaluator and
iswers, compulsonity araw diagon	fication, appeal to evaluator and
uisweis, compuisonny diaw diagon	tification, appeal to evaluator and
answers, compulsoning draw diagon	ntification, appeal to evaluator and
allowers, compulsoring allaw diagon	entification, appeal to evaluator and
ul allowers, compulsonny ulaw diagon	dentification, appeal to evaluator and
our answers, compuisonny draw diagon	identification, appeal to evaluator and
your answers, compuisoning draw diagon	f identification, appeal to evaluator and
your answers, compulsoning allaw unagon	of identification, appeal to evaluator and
g your answers, compuisonny draw diagon	of identification, appeal to evaluator and
ing your answers, compulsoring allaw allagon	g of identification, appeal to evaluator and
thing your answers, compuisoning draw diagon	ng of identification, appeal to evaluator and
cuing your answers, compuisoning draw diagon	ling of identification, appeal to evaluator and
neuring your answers, compulsoring draw diagon	aling of identification, appeal to evaluator and
picting your answers, compulsoning draw diagon	ealing of identification, appeal to evaluator and
upicting your answers, compuisonly araw diagon	vealing of identification, appeal to evaluator and
mipicing your answers, compulsoring draw diagon	evealing of identification, appeal to evaluator and
completing your answers, compulsoning draw diagon	revealing of identification, appeal to evaluator and
completing your answers, compulsoing draw diagon	revealing of identification, appeal to evaluator and
il completing your answers, compulsonny draw diagon	ly revealing of identification, appeal to evaluator and
on completing your answers, compulsoring that unagon	any revealing of identification, appeal to evaluator and
On completing your answers, compulsoinly graw diagon	Any revealing of identification, appeal to evaluator and
On completing your answers, compaisonny draw diagon	Any revealing of identification, appeal to evaluator and
1. On completing your answers, compulsoinly araw diagon	2. Any revealing of identification, appeal to evaluator and
1. On completing your answers, compulsoring draw diagon	2. Any revealing of identification, appeal to evaluator and
. i. on completing your answers, compaisonny araw aragon	2. Any revealing of identification, appeal to evaluator and
c. 1. On completing your answers, compulsoring draw diagon	2. Any revealing of identification, appeal to evaluator and
occ. 1. On compreming your answers, companioning anaw daggonal cross lines on the remaining plank p	2. Any revealing of identification, appeal to evaluator and for equations written eg, $42+8=50$, will be treated as malpractice.

CBCS Scheme

		Appa achiente	
USN	1	16/	17SCN24
		Second Semester M.Tech. Degree Examination, June/July 20	18
		Managing Big Data	10
Tir	ne.	3 hrs.	1 00
111	110.	Max. M	arks: 80
		Note: Answer FIVE full questions, choosing one full question from each module	le.
		Module-1	
1	a.	Write a brief note on the following:	
		i) Big data ii) Big data Analysis iii) Unstructured data iv) Volume and	d variety of
	b.	big data. Explain how big data analysis can be used for the following areas:	(10 Marks)
	0.	i) Understanding and targeting customers	
		ii) Improving and optimizing cities and countries.	(06 Marks)
2	a.	OR What are 2 critical components of hadoop and give brief explanation of each.	(08 Marks)
	b.	What is open source technology and explain how it is contributing to big data analysis	lytics.
	3	What is crowd sourcing analytics and how it is helpful for his data analysis?	(04 Marks)
1	100	What is crowd sourcing analytics and how it is helpful for big data analysis?	(04 Marks)
CONT	>	Module-2	(2) ¢
3	a.	What is NOSQL and explain at least four reasons for using NOSQL data base fanalysis?	
	b.	Compare and contrast SQL and NOSQL taking at least six points.	(10 Marks) (06 Marks)
		and the second of the second o	(00 Marks)
4		OR VIII THE REPORT OF THE PARTY	
4	a.	What is data aggregation? Explain different data models used in NOSQL with exa	mples. (10 Marks)
	b.	What is NOSQL polygot persistent explain with a neat diagram?	(06 Marks)
		Module-3	
5	a.	Explain different types of data input format and output format supported by Hado	op with an
	L	example.	(10 Marks)
	b.	What is Hadoop pipes give a brief explanation with an example.	(06 Marks)
		Co COR	
6	a.	Explain data integrity mechanism supported by HDFS and how data nodes and	clients do
	b.	integrity check. Explain combiner functions and Hadoop streaming in brief.	(08 Marks)
	٥.	2 Somewher remediations and readoup streaming in other.	(08 Marks)
_		Module-4	
7	a.	What is map reduce workflow and explain with an example how a problem can be	translated

1 of 2

(10 Marks)

(06 Marks)

into map reduce work flow with an example.

OR

Explain how Hadoop runs a Map Reduce job using classic framework. (10 Marks) 8 Which are the failures to be considered while running Map Reduce on YARN give brief (06 Marks) explanation?

Module-5

9	a.	Explain data model of HBASE.		(06 Marks)
	b.	Compare and contrast HBASE and RDBMS.	A Walterson of	(04 Marks)
	C	List characteristics of HBASE with brief explanation.		(06 Marks)

OR

10 a. b. c.	Briefly explain the execution Compare and contrast PIG at Explain HiVE services.	rtypes of PIG. nd data bases.		(06 Marks) (04 Marks) (06 Marks)
(62 reid 39) (63 reid 30)		* * * *		
		i wed niclose nas applied in water and the second and a s	ne gritanen uman milat Wa	
	and six gaints.			
entigraty (edecide dit) (edecide de)			S SINO	
cat intervious gracel (policient dr.) (alternation)				
går soms og kallen (d. 199) (adlen (d. 199) (adlen (d. 199)	ne echon stati wed bas 2900 A brief			
ligital count occurs (altractive 81) (cate contain)	ALMS.	And states The risk restore Len wer Starmed to direct		
		2 of 2		