Hall <sup>-</sup>	Ticke	et Number : R1	4											
Code: 4P3121														
M.Te	ch.	Il Semester Regular & Supplementary Examinations Aug/Sep 2010	5											
		Managing Big Data (Computer Science & Engineering)												
M	ax. N	Varks: 60 Time: 3 Hours												
Ans	wer	all five units by choosing one question from each unit ( $5 \times 12 = 60$ Marks )												
		**************************************												
1.	a)	Define Unstructured Data Analytics. Elaborate on Context-Sensitive and												
	Domain-Specific Searches.													
	b)	Explain how risks are handled in big-data.	6M											
		OR												
2.	a)	What are the applications of big-data? Explain.	6M											
	b)	Write about Hadoop technology for big-data analytics.	6M											
3.	a)	Write about Column Based NoSQL Database Management Systems.	6M											
	b)	Compare and contrast NoSQL DBMSs Vs Relational DBMSs.	6M											
		OR												
4.	a)	Write about aggregate models, distribution models and sharding in NoSQL.	6M											
	b)	Discuss the significance of map reduce in NoSQL.	6M											
		UNIT-III												
5.	a)	Discuss in detail the design of Hadoop distributed file system (HDFS).	6M											
	b)	Discuss in detail analyzing data with Hadoop.												
		OR												
6.		Discuss in detail HDFS concepts.	12M											
		UNIT-IV												
7.	a)	Write about Map Reduce types.	6M											
	b)	Discuss the process of task execution with Map Reduce.	6M											
		OR												
8.	a)	Write about Map Reduce work-flows.	6M											
	b)	Write about failures in classic Map-reduce and YARN.	6M											
		UNIT-V												
9	a)	Write about developing and testing Pig Latin scripts.	6M											
	b)	Write about data types and file formats in HiveQL.	6M											
		OR												
10.		Discuss about Hbase and Cassandra hadoop related tools in detail.	12M											
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Hall 7	Ticke	et Number :													R14
	<b>Code: 4P3123</b> M.Tech. II Semester Regular & Supplementary Examinations Aug/Sep 2016														
M.Te	ch.												Aug/	/Sep 20	016
		2011/	ware A						-			rns			
(Computer Science & Engineering) Max. Marks: 60 Time: 3 Hours Answer all five units by choosing one question from each unit ( 5 x 12 = 60Marks )															
						*****	****	)							
1	<b>UNIT-I</b> 1. Discuss about different design problems solved by design patterns in detail												ail		
with examples?											12M				
OR															
2. a) What is the use of constant data manager for Design patterns?												6M			
	b)	Write a shor	t note or	า											
		(i) immutable object												<b>CN</b> 4	
	(ii) Monitor.													6M	
3.	a)	<b>UNIT-II</b> Explain structure, participants and consequences of abstract factory?												6M	
	b)	Discuss mot	-												6M
	,			•••			OF						•		
4.		Explain Flyw	veight pa	attern	in de	tail?									12M
							UNIT	<b>-III</b>							
5.	a)	Write a sam		e for d	ecora	ator a	and e	explai	n its	uses	s and	rela	ited p	atterns.	6M
	b)	Write short r													
		(i) Explic (ii) Objec	-		ase										6M
				•			OF	ł							om
6.		Explain Brid	ge patte	rn in d	detail	?									12M
		·	0				JNIT	-IV							
7.	a)	Write short r	note on												
		(i) Objec													
	L.)	(ii) Comr			•	•		- 11 - 1							6M
	b)	Discuss the	Structur	e, pai	ticipa	ants a	and o OF		orat	ion o	f Sta	te pa	attern.	•	6M
8.		Explain Obs	erver na	ittern	in de	tail?	Ur	<b>X</b>							12M
0.						C	υΝΙΤ	-v							12101
9.	a)	Discuss the	impleme	entatio	on iss	ues	whic	n are	nee	d to b	e ha	ndle	d by c	consiste	
		lock order?													6M
	b)	What are the	e uses o	t critic	al se	ection	•		n rea	ii tim	e sce	enari	0?		6M
10.		Explain abo	utauard	مط مب	enon	eion	OF in de		ith c	vom	nlee	>			12M
10.			ut gualu	<del>c</del> u 50	spen	51011	in ue	ian v		-xaiii	higa				I ZIVI

Hall	Ticke	et Number :	14									
Code: 4P3122												
M.Te	ch.	II Semester Regular & Supplementary Examinations Aug/Sep 201	6									
		Open Systems for Web Technologies										
M	ax. N	(Computer Science & Engineering) Marks: 60 Time: 3 Hours										
		all five units by choosing one question from each unit ( $5 \times 12 = 60$ Marks)										
		********* UNIT-I										
1.	$\sim$		6M									
1.	a) b)	Explain about Transaction management.	6M									
	D)	Write a program to illustrate usage of scrollable and updatable result set. <b>OR</b>										
2.		Explain different types of JDBC drivers and their significance,	12M									
۷.												
		UNIT-II										
3.	a)	Explain about cookies in detail.	4M									
	b)	Explain about session tracking in servlets.	8M									
		OR										
4.	a)	Explain about different classes and methods in javax.servlet package.	6M									
	b)	Explain about POST and GET methods in servlet.	6M									
		UNIT-III										
5.	a)	Explain JSP MVC Architecture.	8M									
	b)	Write a program to create dynamic web table content using JSP.	4M									
		OR										
6.	a)	Explain different components of JSP.	6M									
	b)	Explain about JSP tag library.	6M									
		UNIT-IV										
7.		Mention different steps involved in building a simple Struts application with an										
		example.	12M									
		OR										
8.		Explain the significance of Model Layer, View Layer and Controlled Layer in Struts.	12M									
		UNIT-V										
9.		Explain about Exception handling in Struts with example.	12M									
		OR										
10.		What is a Bean? Write a program to illustrate the concept of Java Bean.	12M									

Hall T													ſ		R14	4		
Code: 4P3124 M.Tech. II Semester Regular & Supplementary Examinations Aug/Sep 2016																		
Distributed Operating Systems (Computer Science & Engineering)																		
Max. Marks: 60 Time: 3 Hours																		
Answer all five units by choosing one question from each unit ( 5 x 12 = 60Marks )												)						
								I-TIV										
1.	a)	Explain the advantages of distributed system over centralized system.												4M				
	b)												8M					
0	、							OF										
2.	a) b)	What is asy									bout	AIN	1 rei	rerer	nce	mode	1.	8M 4M
	b)	Explain par	ame	ter p	assin	g me	cna	lism		ΡΟ.								4111
								UNIT	<b>[-  </b>									
3.		Explain in d	letail	abou	ut dea	adloc	k pre	event	ion,	dead	lock	dete	ctio	n an	nd re	cover	ту.	12M
Α						1	- 1:	OF				م ر ما		4:0.0	مام	o v:the ree		<b>CN</b> 4
4.	a) b)	Explain des	-											ition	aigo	Shthm	IS.	6M 6M
	D)	Explain in c	letall	abu	uria					ibute	u sy	SIGII	1.					OIVI
								UNIT	-111									
5.		Discuss file	syst	iem i	mple	ment	tatior	n in E	Distrik	outec	lsys	tem.						12M
								~										
6.		Explain in c	lotail	aha	ut No	twor	노드라	OF		Arob	itaat	Iro						8M
0.	a) b)	Why do sor											Evn	lain				4M
	5)		ne u	131110	uieu	3931				50011	ann	ng: I	∟∧p	1aii i.	•			-111
								UNIT										
7.	a)	Explain with			•					nersł	nip p	rotoc	ol v	vork	s.			6M
	b)	Write about	t dire	ctori	es in	shar	ed m		•									6M
0		Evoloin the		ortio	o of		۸	OF										484
8.	a) b)	Explain the Explain the	• •					•			ieme							4M 8M
	D)		sper	Jun	1015	nare	u me			Chan	191119	•						OIVI
							L	UNIT	<b>-v</b>									
9.		Explain var	ious	cons	isten	cy m	odel			ig syl	nchro	oniza	tior	ו ope	erati	ion.		12M
4.0		<b>F</b>						OF			L	.1	_					4014
10.		Explain in c	letail	abo	ut ob	ject k	base		tribut	ed s	hare	d me	mo	ry.				12M
							-											

Hall <sup>-</sup>	et Number :	14											
Code: 4P3127													
M.Tech. II Semester Regular & Supplementary Examinations Aug/Sep													
		Cloud Computing											
May		(Computer Science & Engineering) arks: 60 Time: 3 Ho											
Max. Marks: 60 Time: 3 Answer all five units by choosing one question from each unit ( 5 x 12 = 60M													
		*******	~ /										
1.	1. a) Make a comparison between the Intel virtualization and Red hat virtualiz												
	b)	Give a brief note on software as a service.	4M										
OR													
2.	a)	Describe the Hardware assisted virtualization.	6M										
	b)	Explain the terms Ubuntu, Altiris, Windows.	6M										
		UNIT-II											
3.	a)	Write notes on the storage virtualization technologies.	8M										
	b)	Elaborate on the Net framework virtualization.	4M										
		OR											
4.	a)	Explain the client hosted desktop virtualization.	4M										
	b)	Write short notes on Virtual Desktop Infrastructure.	8M										
5.		Draw and explain the service knowledge management systems in detail.	12M										
		OR											
6.		Explain about improving capacity through virtualization.	12M										
7.	a)	Define grid computing. Write the characteristics of grid computing.	8M										
	b)	Write about the evolution of cloud computing.	4M										
		OR											
8.	a)	Discuss the various security mechanisms of cloud storage services.	8M										
	b)	Give a brief note on distributed computing.	4M										
		UNIT-V											
9.		How data security is different from host security? Explain the techniques for											
		achieving data security in Cloud.	12M										
		OR											
10.		Explain the following:											
		a) Google APP Engine b) Oracle OBIEE											
		c) Cloud Scale	12M										
		***											

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Hall T	icke	t Number :														R14			
Code: 4P3128																			
M.Teo	ch.	II Semeste	r Re	gulo		-	-		-		amir	natio	ons A	ug/	Sep 2	016			
<b>Mobile Computing</b> (Computer Science & Engineering)																			
Max. Marks: 60 Time: 3 Hours																			
Answer all five units by choosing one question from each unit ( $5 \times 12 = 60$ Marks)																			
						:	*****												
1	<b>c</b> )	UNIT-I How calls are handled in GSM.													GM				
1.	, ,												6M 6M						
	b)	How the data service is provided by GSM OR												OIVI					
2.		OR Explain in detail GSM architecture												12M					
3.	a)	How tunnel	ling a	and e	encap	sula	tion a			n Mc	bile	IP				8M			
	b)	What are th	•		•											4M			
			C					OI	R										
4.	a)	How home	and	forei	gn ag	gents	s ope	rate	in mo	bile	IP					7M			
	b)	What are th	ne dif	ferer	nces	betw	veen	ager	nt dise	cove	ry ar	id ad	vertise	emei	nt?	5M			
							ſ	UNI	Г-Ш										
5.	a)	What are th	ne pr	obler	ns of	usir	ng tra	ditio	nal T	CP i	n mo	bile ı	netwo	rks?		4M			
	b)	How snoop	ing T	CP	work	5										8M			
								O	R										
6.	a)	How indire	ct TC	P wo	orks											7M			
	b)	What is the	e use	of se	electi	ve re	etrans	smis	sion?							5M			
							ſ	UNI	Г-IV										
7.	a)	What are th	e ind	exing	tech	niqu	es us	ed fo	r data	a diss	semir	natior	n in mo	bile	networ	ks. 8M			
	b)	What are th	ne pr	oper	ties c	of MA	NET	?								4M			
								O	R										
8.	a)	Can we us Justify you			ty me	echa	nism	s of	wire	d ne	twor	ks in	mob	ile n	etwork	s? 4M			
	b)	What are th			y me	chan	isms	suit	able f	for N	IANE	Ts				8M			
	,				-		ſ	UNI											
9.		Explain in c	latail	wire		annli	L			J						12M			
ອ.			JEIdil	wile	1699	appi	call	יים ויי <b>ס</b> ו		<b>.</b>						I ZIVI			
10.		Explain the	use	of bl	ue to	oth t	echr			com	muni	catio	n.			12M			
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