Hall T	icket Number :	1
Code:	5P2B5A	R-15
M.C.	A V Semester Regular & Supplementary Examinations Nove	mber 2018
		ime: 3 Hours
A	nswer all five units by choosing one question from each unit (5 x 14 = 7 ********	U Marks)
	UNIT-I	
1.	Describe the different characteristics of Big Data?	12M
2.	OR What is the importance of Big Data Analytics?	12M
	UNIT–II	
3.	Construct the Inter and Trans Firewall Analytics with neat diagram.	12M
	OR	
4.	Illustrate the basic building blocks of Hadoop.	12M
5.	UNIT-III Describe different data transformation phases for Hadoop Map Reduce	. 12M
5.	OR	. 12111
6.	Explain the integrating of different data stores to Hadoop Map Reduce.	12M
	UNIT–IV	
7.	Explain the basic building blocks of Hadoop Map Reduce.	12M
	OR	
8.	Explain the Hadoop Distributed File System	12M
9.	UNIT–V Describe the Big Data Analytic maturity model.	12M
9.	OR	ı∠IVI
10.	Outline the implementation of Big Data Analytics.	12M

Hall	Tick	et Number :												
Cod	e: 51	P2B52 R-15												
		V Semester Regular & Supplementary Examinations November 20	18											
		.Net Technologies												
		Time: 3 Hou π												
Ansi	wei	all five units by choosing one question from each unit (5 x 12 = 60 Mark ********	5)											
		UNIT-I												
1.	a)	Describe in detail the role of Common Language Runtime (CLR) in .NET Framework.	6											
	b)	Explain the Salient features of Languages supported by .NET Framework.	6											
		OR	6											
2.	a)	Write about Assemblies and Executables in .NET												
	b)	What is Name space? Explain about different namespaces in .NET Framework.												
0	-)		~											
3.	a)	Mention the differences between classes and interfaces? Give examples.	6											
	b)	What is Polymorphism? Explain Polymorphism with a Console application. OR	6											
4.	a)	Explain the purpose of sealed class.	6											
4.	a) b)	Write short notes on:	C											
	5)	(i) Exception handling												
		(ii) MSIL Programming	6											
		UNIT–III												
5.	a)	How does ADO.NET connected and disconnected models differ from each												
		other? Explain	6											
	b)	What are the namespaces used in ADO.Net to connect to a database? List												
0	-)	OR												
6.	a)) Describe the steps to implement a database connectivity program using ADO.NET												
	b)	Discuss about various properties of Data Column.	6											
	0)													
7.	a)	Illustrate an ASP.NET Web application to display a Registration form using												
	,	different controls.	6											
	b)	What is Authentication? Explain all the authentication modes.	6											
		OR												
8.	a)	Briefly discuss about the Page life cycle events in ASP.NET,												
	b)	State the advantages and disadvantages of Crystal Reports.	6											
-														
9.	a)	What is Web Service? Describe about Web Services Protocols.	6											
	b)	Explain the steps and code to create and consume web service.	6											
10	\sim	OR How do you call Wab sorvice from a Browsor? Discuss	6											
10.	a) b)	How do you call Web service from a Browser? Discuss. Analyse the concept of AJAX technology with an example.	6											
	D)		C											

Hall T	icke	t Number :	_
Code:	5P2	B53 R-15	
		Semester Regular & Supplementary Examinations November 201 Object Oriented Modeling and Design with UML	
Max. I Answe	-	<pre>cs: 60 Time: 3 Hou I five units by choosing one question from each unit (5 x 12 = 60 Marks *********</pre>	-
		UNIT–I	
1.	a)	What is UML? Where can the UML be used?	6M
	b)	What are the principles of Modeling? Explain?	6M
		OR	
2.		Draw the architecture of a software-intensive system and explain?	12M
3.	a)	Explain any three kinds of relationships?	6M
	b)	Draw a class diagram, including minimum and maximum multiplicity for the following. The system stores information about two things: cars and owners. A car has attributes for make, model and year. The owner has attributes for name and address. Assume that a car must be owned by one owner and an owner can own many cars but that an owner might not own any cars (perhaps she just sold them all, but you still want a record of her in the system)	6M
		OR	
4.	a)	Describe interfaces, types and roles with examples.	6M
	b)	What are the important aspects to be considered to model the vocabulary of a system	6M
		UNIT–III	
5.		Explain the process of mapping designs to code. Take any example of interaction diagram and the process of creating methods from interaction diagrams.	12M
		OR	
6.	a)	Explain the significance of collaboration diagram.	6M
	b)	Explain with example the include relationship and extend relationship in Use Cases	6M
		UNIT–IV	
7.	a)	What is a state chart diagram? Explain with an example?	6M
	b)	How to build a thread safe abstractions?	6M
		OR	
8.	a)	Explain how to model the life time of an object	6M
	b)	Write a short notes on events and signals	6M
		UNIT–V	
9.		Explain the common modeling techniques related to component diagram OR	12M
10.		What does deployment diagram specify? Draw with example.	12M

Hall T	icke	et Number :	
Code	e: 51	P2B54	15
M.C.	Α.	V Semester Regular & Supplementary Examinations November	2018
		Open Source Software	
		arks: 60 Time: 3	
Answ	ver	all five units by choosing one question from each unit (5 x 12 = 60 M	iarks j
		UNIT–I	
1.	a)	Briefly explain history of software?	6M
	b)	"Open source is in wide spread successful use" justify your answer?	6M
	,	OR	
2.		Discuss in detail about analytical framework?	12M
		UNIT–II	
3.	a)	How migration and interoperability is useful in directory services?	6M
	b)	Write short notes on E-Mail in open source opportunities?	6M
		OR	4014
4.		Illustrate operating system and its contents with clear examples?	12M
		UNIT-III	
5.		Explain in detail about various database servers?	12M
		OR	
6.	a)	Outline various directory and file services?	6M
	b)	Apply windows applications in personal software?	6M
		UNIT-IV	
7.	a)	Compare open source, closed code and corporate development?	6M
	b)	Write short notes on open source development tools?	6M
8.		OR What are the languages used to develop open source products? Evola	vin
0.		What are the languages used to develop open source products? Expla briefly?	12M
		UNIT-V	
9.	a)	How open source impacts team management?	6M
	b)	Recall implementation principles?	6M
		OR	
10.		Analyze various cost in open source systems?	12M

Hall	Ticke	et Number :]	F				1
Code	: 5P	2B51		<u></u>									1			R-15		
		V Semester	Reg	gula	ır & 3	Supj	oler	nen	tary	Exa	min	atio	ns N	lov	emk	oer 20	18	
					Re	sea	rch	Me	hol	ogy								
-		arks: 70 er all five uni	ts bv	cho	osin	a on	e au	estio	n fro	m ec	nchi	ınit (5 x 1	4 =		e: 3 Ho Aarks)	Urs	
,	115 **		15 0 9	CHO		gon		****				,	U X I		/0/1			
	,							NIT-I										
1.	a)	Evaluate the		•••						•		·						6M
	b)	Explain the p	oroce	ss of	cond	ductir	ng res	searc OR	h wit	h sui	able	illust	ratior	าร.				6M
2.	a)	Highlight the	impo	ortant	t tech	niau	es in		d in c	defini	ng a	resea	arch r	orob	olem.			6M
	b)	Classify the I	•			•					•		•			amples.		6M
	- /	,						NIT-I								•		
3.	a)	Identify the ir	mport	tant o	conce	epts r	elatir	ng to	resea	arch	desig	n.						6M
	b)	Enumerate th	he th	ree p	rinci	oles d	of exp	perim	ental	desi	gns v	vith e	exam	ples	i.			6M
								OR										
4.	a)	How factoria		•		tribut	e to	build	ing a	in eff	ectiv	e res	searc	h d	esign	? Expla	ain	
	L.)	with suitable		•			b 1 1			-								6M
	b)	When do you	л арр	iy rai	naom	iizea				Expla	ain its	s sigr	nificar	nce.				6M
5.	a)	Identify the ir	mpor	tant f	acto	rs tha		IIT-I I /e to		onsid	ered	while	sam	nolin	na des	sian Gi	ve	
01	α,	examples	npon		aoto	0 110					0.04		, our	19.11	.g uo	olgin ol		6M
	b)	Evaluate the	diffe	rent	categ	ories	s of s	ampl	e des	signs	with	exan	nples.					6M
								OR										
6.	a)	Explain the	•	emati	c sa	mplir	ng wi	th su	uitable	e exa	ample	es. L	ist its	s ad	dvant	ages a	nd	сM
	b)	disadvantage Highlight the		nact	of	Strat	ified	Son	anling	۰, ۱۸	/bon	do	VOU	201		aio? Ci	VO	6M
	b)	examples.		μασι	U	Sirai	ineu	San	ihiiii	j. vv	nen	uu	you	app	Jiy ti	115 ° GI	ve	6M
							UN	IIT–I	V									
7.	a)	Differentiate	the v	ariou	us typ	es o	f mul	tivaria	ate a	nalys	is wit	h sui	itable	exa	ample	es.		6M
	b)	What is the c	differe	ence	betw	een o	cluste	er an	alysis	and	facto	or ana	alysis	;? III	ustra	te		6M
								OR										
8.	a)	How can the factor analys	•	blem	n of I	multi	colli	neari	ty in	regre	essio	n an	alysis	s be	e sol	ved usi	ng	6M
	b)	Explain the		oron	ne h	etwe	en l	hiera	rchica	al cli	uster	ina	and	nor	n- hi	erarchio	ral	OIVI
	5)	clustering.	uni	CICIN				licia	CINC		03101	ing	anu	1101		Crarcine	Jai	6M
							U	VIT-V	/									
9.	a)	Write a short	note	on r	ewrit	ing a	nd po	olishi	ng of	repo	rt and	d give	e exa	mpl	le.			6M
	b)	List and expl	ain th	ne ste	ep-by	/-step	o pro	cedu	e in v	writin	g a te	echni	cal re	epor	t.			6M
				_				OR		_			_			_		
10.	a)	What are th large? Explain						•	nsibili	ties	of re	seard	chers	in	the s	society	at	6M
	b)	Enumerate th					•		ina a	rese	arch	with	suital	ble	exam	ple		6M
	~)			2 2110				**					2 31101		2.0011	· · · · ·		5

Н	all 1	Ficket Number :	
Co	de:	5P2B5E	-15
Ν	۱.C.	A V Semester Regular & Supplementary Examinations Novemb	er 2018
		Software Testing Methodologies	2.1.1.5
M		Time: nswer all five units by choosing one question from each unit (5 x 14 = 70 Mo ********	3 Hours arks)
		UNIT–I	
1.		State and explain various dichotomies in software testing.	12M
		OR	
2.	a)	How software testing will ensure the quality of developed software? Explain	6M
	b)	Explain the consequences of bug in detail.	6M
		UNIT–II	
3.	a)	How a program control structure can be represented graphically? Explain with the help of required diagram.	th 8M
	b)	Define basis path testing.	4M
	0)	OR	-1101
4.		What are data-flow anomalies? How data flow testing can explore them?	12M
5.		What is meant by domain testing? Discuss about Nice and Ugly domains.	12M
		OR	
6.	a)	Write a short note on Domain Dimensionality.	4M
	b)	Explain how one – dimensional domains are tested.	8M
		UNIT–IV	
7.	a)	What are decision tables? Do you think decision tables as a basis for test can design justify?	se 8M
	b)	Define path and Path product.	4M
	5)	OR	-101
8.	a)	Describe in detail about the Regular expression and flow anomaly detection	8M
0.	⊆, b)	Define Hardware logic testing	4M
	- /	UNIT-V	
9.	a)	Write about loops in matrix representation	6M
	b)	Write about equivalence relation and partial ordering relation	6M
		OR	
10.	a)	Write about matrix powers and products.	6M
	b)	What are graph matrices and write a short note on their applications?	6M
