Hall	Tick	et Number :													_
Code	: 5P2	2B43								<u></u>				R-15	
M.0	C.A	. IV Semest	er R dva i	_						•				May 2018	}
Мах.	Mai	rks: 60	a v G		. u J.		.0.	•••			1010	9.0		īme: 3 Hou	Jrs
		all five units b	by ch	1009	sing	one	que	stior	n froi	n e	ach	unit			
							****	****		\neg					
1.		Compare the	ے diff	oron	cas h	ofw.	en F	UNI IMTE		Ŭ LHTN	<i>J</i> II 5	Liett	the avail	ahle HTMI	
١.		common tag		CICII	003 1	CLVV	JC11 1	IIIVIL	_ and		VILO.	LIST	inc avail	abic TITIVIL	12M
			,					OF	₹						
2.	a)	What is a fun	ction?	? Exp	lain h	now p	aram	eters	are p	oasse	ed to t	functi	ons in jav	va script.	6M
	b)	Design a HT	ML f	orm	for a	railv	vay re	eserv	/atior	n sys	tem.				6M
	,	· ·						UNI		7					
3.	a)	What are the	e pro	blem	s of	servl	ets?	Disc	uss.						6M
	b)	Explain how	HTT	PR	eque	st an	d Re	spor	nses	are h	nandl	ed in	Servlet.	•	6M
								OF	₹						
4.	a)	Elaborate th	e pro	blen	ns of	serv	lets a	and o	discu	ss in	deta	il			6M
	b)	Discuss abo	ut jav	vax.s	serve	let.H	ITTP	pack	kage	with	suita	ble c	ode.		6M
								UNI	Γ–III						
5.	a)	Describe the	e ana	tomy	of a	JSF	pag	e.							6M
	b)	Discuss abo	ut JS	SP pr	oces	sing									6M
								OF	₹						
6.		Explain abou					ag Li	brary	/ (JS	TL) a	and o	utlin	e the imp	portance of	
		JSTL with	suita	ble o	code.					\neg					12M
7		Cuplain in d	. ا:مه	- l · ·	1			UNIT			:	LOF			401
7.		Explain in de	etali a	abou	t erro	or na	nalin	_		ougg	ing ir	1 JSF	pages.		12M
0		Evaloia the	-: ~ · · : f:			امطد		OF		ا مان	aa. k		a \\/;4h a	مام صحوب م	
8.		Explain the sexplain the b	•					•	. ,		ava	bean	s. with a	ın example,	12M
		oxpiain the b	ound	PiO	501110	0 101		UNI		7					1210
9.	a)	List and exp	lain t	he s	teps	invol	ved i			JDB	C pro	ograr	m.		6M
	b)	Explain abou	ut JS	P ele	emer	its in	deta	il.			-				6M
								OF	₹						
10.		Outline vario	ous s	teps	invol	lved	in de	velo	omer	nt of	JDB() Pro	grammii	ng.	12M

Hall	Γicke	et Numbe	er:															
Code	e: 5F	P2B4A			1	·				J.		1.	_				R-1	5
Μ.	C.A	. IV Sen	neste	r Reg	gula	r & S	qua	olen	nen	tary	Exc	amir	าต	itioi	ns	Мо	ıy 20	18
					C	lou	d C	omp	outi	ng								
		arks: 60															e: 3 ⊦	
Ansv	ver (all five ur	nits by	/ cho	osing	one		estio ****	n fro	om e	each	unit	† (5 x	12	= 6	0 Mc	arks)
							***	UNI	T_I									
1.	a)	Define cl	loud c	omputi	ing? (Give	brief			_ on th	e his	tory	of	clou	ıd d	com	puting	7M
	b)	List the u	uses o	f cloud	l com	putin	ıg					•						5M
	,					•	Ū	OF	₹									
2.		Discuss	briefly	about	the t	ypes	of cl	oud (comp	outing	g and	l its a	app	olica	atio	ns.		12M
			,			,				Ì			•					
								UNI	T–II									
3.	a)	How a cl	loud co	omputi	ng w	orks?	Exp	lain.										6M
	b)	Explain b	briefly	about	centr	alizin	ıg en	nail c	omm	nunic	ation							6M
								OF	₹									
4.		Describe	the c	loud co	ollabo	oratio	n on	sche	edule	s an	d on	grou	р	oroje	ects	3		12M
								UNIT	Γ–III									
5.		Discuss	the fol	lowing	term	S												
		a. C	ollabo	rating	on pr	oject	mar	nagei	ment									6M
		b. C	ollabo	rating	on w	ord p	roce	ssing)									6M
								OF	₹									
6.		How clou			g colla	abora	ated	with										
		a. C	alenda	ars														
			chedu															
		c. T	ask m	anage	ment													12M
										_								
7.		Evalaia t	ha fall	audia a	to rm	٠.		UNIT	-IV									
7.		Explain t	valuat	•			vico	,										6M
			valuat	Ū														6M
		U. L	vaiuai	ing on	mie (group) wai	OF	•									OIVI
8.		Discuss	obout	collab	orotin	va vio	hlor			رنادن' د								12M
0.		Discuss	about	Collab	oratii	iy via	יטוט ו	N 9 C	aliu v	VIKI 5.	•							I Z IVI
								UNI	Γ_\/	7								
9.		Discuss	about	explor	ina o	nline	bool			serv	vices	with	ex	amı	ple.			12M
					3				3									
								OF	₹									
10.		Explain t	the foll	owing	term	s with	n exa	mple	es:									
			nline ¡	_				•										6M
			nline :			•												6M
				J				**										

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lall 7	Γicke	t Number :														R15
ode	e: 5P	2B4D						1		J			!			
Μ.	C.A	. IV Semes	ter	_						•		ımir	natior	ns M	ay 20	018
.	lane l	Marrian (O			Dist	ribu	ted	Da	tabo	ases	5		т:		2 1 10.	ıro
	-	Marks: 60 all five unit	s by	cho	osino	g on	e au	estic	n fro	m e	ach	unit			3 Hou 0Marl	
			/		,	<i>-</i>	****	****								- /
								UNI	T–I							
1.	a)	Write and ex	xplair	n the	diffe	rent	type	s of [Distri	buted	d Dat	abas	es			6M
	b)	With the hel	p of a	a nea	at sk	etch	expla	ain th	e arc	chited	cture	of D	DBS			6M
								OF	₹							
2.	a)	Discuss in d	letail	abo	ut the	sali	ent f	eatur	es of	dist	ibute	ed da	tabas	es		6M
	b)	Give brief de	escri	ption	abo	ut ho	w to	acce	ess th	e dis	tribu	ted c	lataba	se		6M
								UNI								
3.	a)	Write and ex	•								•		•			6M
	b)	Distinguish b	etwe	en to	op – 0	down	and			up ap	proa	ches	for da	ta dis	tributio	n 6M
		Marita and a		. ()		- ()-		OF	_	1 -	·	- D:	. 1		(- l	- 4014
4.		Write and ex	xpıaıı	n tne	roie	or no				ienta T	tion i	אט n	stribute	ed Da	itabase	e 12M
5.		Evoloin the	work	ina	of oor	ourr		LINU)	nion	المنابد	roon	oot to	lookin	. ~
5.		Explain the of distributed		_		icuii	епсу	COIII	.10111	IECH	111011	ı wıtı	rrespe	301 10	IOCKIII	ig 12M
								OF	₹							
6.	a)	Describe the	e beł	navio	or of	the t	wo –	- pha	se of	lock	ing p	roto	col in t	the pr	resenc	e
		of different k	kinds	of fa	ailure	S										6M
	b)	Explain the	impo	rtand	ce of	quer	у ор	timiz	ation	in di	stribu	uted	databa	ase		6M
								UNIT								
7.	a)	What is con		•			•				•					6M
	b)	Write and exp	olain	the p	roper	ties c	of terr		•	otoco	l for 3	3 – pl	nase co	ommit	ment	6M
								OF								
8.	a)	Write short				•										6M
	b)	Give brief de	escri	ption	abo	ut tim	ne ar			mps	in dis	stribu	ited da	atabas	ses	6M
0	۵)	Draw and a	voloi	n tha	arol	hitoo	turo	UNIT		rono	uo tra	2000	otion r	rooo	ocina /	of
9.	a)	Draw and ex	vhiai	ii lile	aici	mec	uie	ui as	yriCil	10110	us liè	ai 15d	σιιστί μ	JI OCE:	ssiriy (oi 6M
	b)	Explain the	work	ing c	of dist	tribut	ed tr	ansa	ction	proc	essii	ng us	sing C	ICS /	ISC	6M
	•			-				OF	₹			•	-			

Discuss in detail about the role of catalog management in distributed databases

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Page 1 of 1

12M

Hall	Ticke	et Number :												R	2-15
Code	: 5P2	2B44								,			-		
M.C.	.A. I	V Semeste		_				•		-				May 20)18
.	av V	Σ Λarks: 60)ata	l WC	ıre F	lou	sing	j an	d D	ata	Mir	ning		3 Hours	^
		all five units	by c	choc	sing	one	que	estior	n fror	n ec	ach i	unit (
							****	****							
								UNI	T–I						
1.	a)	Discuss in c	letail	the v	/ario	us st	eps i	n kno	owled	dge d	disco	very	in data ba	ses?	6M
	b)	Explain diffe	erent	func	tiona	lities	in da	ata m	nining	g?					6M
								OF	?						
2.		Describe the	e arc	hitec	ture	of da	ıta w	areho	ouse	and	its in	nplen	nentation?	,	12M
										7					
							Ļ	UNI							
3.		Explain the mining?	vario	us da	ata re	duct	ion te	echn	ques	s in tr	ne pro	eprod	cessing ste	ep of data	a 12M
		mmig:						OF	2						12111
4.		Explain Attr	ibute	Orie	ented	Indu	uctio			laorit	hm f	or da	ata charac	terizatio	n
		with an exa						`	,	J					12M
								UNIT	T—III						
5.		Write the va					•	•			•		-	•	
		for finding fr	eque	ent ite	em se	ets u	sıng	cand O F		gen	eratı	on w	ith an exa	mpie?	12M
6.		Explain FP-g	arowt	h ala	orithr	m for	disc		_	auloi	nt ita	m co	te without	candidat	0
0.		generation?	jiowi	ii aiy	OHUII	11 101	uisc	oven	ng m	eque	iii iie	III 5 C	ts without	cariuluali	12M
		-													
								UNIT	-IV						
7.		Explain k-me	eans	and I	k-me	doids	clus	terin	g algo	orithn	ns wi	th su	itable exar	nples?	12M
								OF	₹						
8.		What is class			? Wri	ite ar	n alg	orithr	n for	cons	struc	ting a	a decision	tree fron	
		training sam	ples	?											12M
										\neg					
0		Mhat ia wah	min	ina?	Evol	oin tl		UNI		oo of	wob	mini	in a?		1011
9.		What is web	, 111111	iiiy?	⊏xpi	aiii li	ie va	inou: O F	• •	es ui	web	1111111	ii ig :		12M
10.		What is text	mini	na? \	What	are	the v			nens	ional	itv R	eduction te	echnique	s
10.		used in text		-	····at	۵.0		۵,100	uii			,	244011011 10	. J 11440	12M
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Hall Tic	ket Number :													\neg
Code: 5	P2B41				Į.	1				1		1	R-15	
M.C.	A. IV Semest	er R	?egi	Jlar	& S	upp	lem	ente	ary	Exai	min	ations	May 2018	;
			9	Soft	war	e Er	ngin	eeri	ing					
	arks: 60	1		•			. 1				!1		ime: 3 Hou	-
Answer	all five units b	by Cr	1005	ing (40e		1 Iroi	nec	acn	JIII	(5 X 12	= 60 Marks	<i>s</i>)
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	scuss how bo											•	el can be	10
ac	ccommodated ir	ııne	Spira	ягрго	cess	5 11100	aei, v O R		n ex	ampi	e sys	stem.		12
2 Fx	plain the ways	and	mea	ins fo	or co	llecti			twar	e rec	uirer	ments ar	nd how are	
	ey organized ar						ig iii	0 001	twar	0 100	an or	morno ai	ia now are	12
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3. a	•		•					he p	eople	e, the	tasl	ks, the c	ontent and	0
h	the environn					•		ninoo	rina	tooko				6 6
b) Explain abou	ut dii	ierei	ii Ke	quire	men	ι ⊑πί Ο Γ		nng	iasks	•			0
4. De	evelop an objed	et me	ndel i	inclu	dina	a cla			chy d	diagra	am a	nd an a	garegation	
	agram showing				_				•	_			• •	
an	nd its system so	oftwa	re.						<u> </u>					12
5 -\	\\/\lance		ما: ما ما ما	-4	.1 -4	L	UNIT					-41 4-		
5. a)	Why variou developmen					•		•						
	model?	•		, , ,	.0	.y	, 0. 00				0 0.00	Ju 00		6
b)	Analyze the	e flo	w o	riente	ed r	node	ling	in t	he [Desig	n p	hase of	Software	
	Developmer	nt Life	e Cyc	cle? I	llust	rate v			amp	le.				6
							OF							
	hat is transforn rength and wea			g? E	xplai	n the	pro	cess	with	an i	llustr	ation. W	hat are its	12
Sti	rengin and wea	IKI IGS					UNIT	-IV						12
7. a) Compare ar	nd co	ntras	st top	dov	L			and	botto	m u	p integra	ation in the	
	case of integ	_		_	_	_								6
b	, ,					•	•					project	which you	_
	have comple	etea	ın tne	alabo	orato	ry. ⊏	xem OF	•	all Sta	ages.				6
8 W	hat are the vari	์ดมร f	testir	na str	ated	ies o			test	ina?	Disc	uss then	n briefly	12
J. VV	aro trio vari	.540 (.55611	.9 011	alog	.55 5	UNI			9.		400 ti 1011	2110119	
9. Ex	kplain Risk Iden	ntifica	tion	and I	RMM	1M			_					12
							OF	2						
10. a	•		•						•					6
b) What is mea	ant by	v SQ	A? D	iscu	ss in	deta	il SQ	A ac	tivitie	S.			6

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Hall	Ticke	et Number :	٦										
Code	: 5P2	R-15											
Μ.0	C.A.	IV Semester Regular & Supplementary Examinations May 2018											
		System Software											
Мах.	Mar	ks: 60 Time: 3 Hours	;										
Answ	er a	Il five units by choosing one question from each unit ($5 \times 12 = 60$ Marks)											
		UNIT-I											
1		Explain the Registers, Instruction formats and addressing modes of SIC/XE machine architecture?	12M										
		OR											
2	a)	What is system software? Differentiate it from the application Software?											
	b)	Explain with an example, simple input and output SIC/XE machine architecture?	6M										
		UNIT-II											
3		What are the fundamental functions of any assembler? With an example explain any six assembler directive?	12M										
		OR											
4	a)	Explain the data structure used in Assembler algorithm	6M										
	b)	What is program relocation? Explain the problems associated with it and their solutions?	6M										
		UNIT-III											
5	a)	Explain the MASM macro preprocessor	6M										
	b)	Explain data structures involved in macro preprocessor algorithms	6M										
		OR											
6	a)	Explain the advantages and disadvantages of the general purpose macro preprocessor?	6M										
	b)	Explain the single pass macro preprocessor	6M										
		UNIT-IV											
7		Briefly explain Bootstrap loader, with the algorithm give an example	12M										
		OR											
8		With diagram, Explain the how object program can be processed using linkage editor?	12M										
		UNIT-V											
9		Define Compiler? Explain the Different phases of the compilers? With an example?	12M										
		OR											
10	a)	Explain the Parse tree? What is the Role of the grammars in Compilers? Construct the parse tree for the following grammar S→CC, C→aC/d for the	O N 4										
	b)	string aadaad What are the applications of the FSM?	8M 4M										
	u)	what are the applications of the Folki!	+ 171										