Hall Ticket Number :										
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Code : 1G471

IV B.Tech. I Semester Regular & Supplementary Examinations Nov 2016 Multimedia and Application Development

(Information Technology)											
Max	. Marks: 70 Time: 03 Ho	urs									
	Answer any five questions										
	All Questions carry equal marks (14 Marks each)										
1.	Describe in detail about the graphics and image data representation data types	14M									
2.	Explain in detail about analog video and digital video.	14M									
3.	Explain about Inheritance, interfaces and Exceptions.	14M									
4.	Explain about Inheritance, interfaces and Exceptions.	14M									
5.	Explain briefly about components with ActionScript movie clip subclasses.	14M									
6. a)	Write about Lossy compression algorithm.	7M									
b)	Explain about run length coding and variable length coding.	7M									
7.	What is audio compression and explain about video compression techniques.	14M									
8.	Write a short note on Multimedia over ATM networks, analog & digital.	14M									

Hall Tid	cket Number :										-		
Code: 1	G473											R-11,	/R-13
IV B.T	ech. I Semes	ster Re	gular	- & SI	upp	leme	ent	ary	Exc	ımir	natic	ons No	v 2016
	C	Crypto		-					ecu	rity			
Max M	arks: 70		(Infor	mati	on le	echr	olo	gy)				Time	: 3 Hours
MGA. M			Answ		-	-						iiiiio.	0110013
	All	l Questic	ons ca		qual 1 *****		5 (14	l Mo	ırks e	each)		
1. a)	What is the relationship between security services, security mechanisms and security attacks? Explain the relationship with a table or matrix.												
b)	2	•				•						the mod	7M del
,	What is the main idea behind model for network security? Explain the model with a neat diagram.											7M	
2.	What is the difference between diffusion and confusion? Explain how DES algorithm can achieve diffusion and confusion?										ES 14M		
3. a)	Explain briefly	about K	erberc	s aut	henti	catior	n pro	otoco	ol?				10M
b)	Perform encry p=3 ;q=13;	•		yptior	n usin	ng RS	A al	gori	thm f	for th	e foll	owing	4M
4.	What are the teach service?	five prind	cipal s	ervice	es pro	ovide	d by	/ PG	6P? E	Expla	ain br	iefly abo	out 14M
5.	Explain how a authentication				er pr	ovide	S SI	nbbc	ort fo	r da	ta int	egrity a	nd 14M
6. a)	Describe SSL	Architec	ture w	ith a r	neat	diagra	am.						7M
b)	What is the role	of dual si	gnatur	e in Se	ecure	Elect	ronic	: Tra	nsact	tion?	Expla	in in deta	ail? 7M
7. a)	Discuss briefly	[,] about d	ifferer	nt app	roach	hes to	inti	rusic	on de	tecti	on?		7M
b)	What are the p	hases th	nat a v	rirus g	joes 1	throug	gh?	Exp	lain i	n de	tail?		7M
8. a)	List out and ex	plain ab	out the	e desi	ign g	oals f	or th	ne fir	ewa	II.			7M
b)	Explain about	different	types	of fire	ewall	S.							7M

Hall Ti	cket Number :														
Code: 1	lG477	1	1	I		1	1	1		I			R-1	1/R-	13
IV B.Tech. I Semester Regular & Supplementary Examinations November 2016 Soft Computing (Information Technology)															
Max. Marks: 70 Time: 3 Hours											lours				
Answer any five questions All questions carry equal marks (14 Marks each)															
 "Heuristics can improve the efficiency of search", support the statement with respect to state space search. 											14M				
2.	2. Explain in detail on the various knowledge representation techniques in detail 14											14M			
3.	Explain in detai				Ũ										
	a. Backpro b. Associa														14M
4. a)	What is Self- unsupervised le	•		•			Map?	, Ho	w i	s it	con	side	red as	s an	7M
b)	Explain in detai	il on	cour	nter p	oropa	gatio	on ne	twor	ks						7M
5. a)	What is a mem	bert	funct	ion, e	expla	in w	ith tw	o exa	ampl	es o	n the	sar	ne		7M
b)	Explain in detai	il on	Ada	ptive	resc	nano	ce the	eory	netw	ork.					7M
6.	Explain the various steps involved in solving problems using fuzzy logic, discuss on fuzzification in detail.										14M				
7. a)	Explain the prin	nciple	es or	n forr	nulat	ion c	of Fuz	zzy ru	ule b	ase					7M
b)	What is approxir	mate	reas	onin	g and	how	/ it is a	applie	ed to	prob	lem s	olvir	ng in ge	neral	7M
8.	Discuss in deta of your choice	il on	gene	etic a	lgori	thms		its ap	plica	ation	to a s	spec	cific pro	blem	14M

Hall	Ticl	ket Number :								
Code:	1G	R-11/R	-13							
IV B.	.Te	ch. I Semester Regular & Supplementary Examinations Nov 20 Software Process and Project Management (Information Technology)	016							
Max.	Mc	Time: 3 H	Hours							
		Answer any five questions All Questions carry equal marks (14 Marks each) ***********								
1.		List and Explain why Conventional Software Management does not perform satisfactorily mention the Boehm's top 10 reasons	14M							
2. a	a)	Compare waterfall process and interactive process with neat diagram?	7M							
ł	b)	Classify the important Trends in improving Software Economics along with Cost model parameters	7M							
3. a	a)	Describe Pragmatic Software Cost Estimation Process	7M							
ł	o)	Summaries some dimensions of Quality improvement in Software Economics								
4. a	a)	Illustrate the typical Software development plan outline	7M							
ł	b)	Explain actual resource expenditure versus planned expenditures acceptable in transition phase?	7M							
5. a	a)	Describe iteration planning process?	7M							
ł	b)	Summaries the artifacts of the design set in Model based architecture , including the architecture view & architecture description	7M							
6. a	a)	Describe the evaluation of planning fidelity in the WBS overs the life cycle.	4M							
ł	o)	Explain Cost and Schedule estimation Process in Planning	10M							
7. a	a)	Discuss the seven top-level Workflows in the Lifecycle	7M							
ł	o)	What is the need for metrics and their purpose and perspectives	7M							
8. a	a)	What are the purpose of the concept definition (CD) and full scale development (FSD) in project CCPDS-R?	7M							
ł	o)	Compare and construct schedule discrimination for Small scale project versus large scale project	7M							

Hal	l Tic	cket Number :													
Cod	e: 1	G472								<u></u>				R-13 /	R-11
IV B.Tech. I Semester Regular & Supplementary Examinations November 2016															
Mobile Communications															
(Common to CSE & IT)															
Max. Marks: 70 Time: 3 Hour Answer any five questions												ours			
All questions carry equal marks (14Marks each)															
			·				*****	****							
1.	1. a) Explain the security services of GSM												7M		
	b)	What is the adv	antag	es of	GPF	RS ov	er GS	SM? /	Also e	explai	n the	arch	itecture of	GPRS.	7M
2.	a)	Explain clearly	the	vario	us so	chem	nes fo	or me	ediun	n acc	ess	contr	ol with TD	DMA.	7M
	b)	What is CDMA	? Ex	plair	n abo	ut FI	DMA	,TDN	1A m	echa	nism	S.			7M
3.	a)	Write a detaile	d not	te on	Mob	oile IF	^{>} pro	tocol							6M
	b)	Briefly explain	DHC	P cli	ient i	nitiali	izatic	on pro	oced	ure.					8M
					_										
4.	a)	Discuss in deta	ail ab	out	Snoo	ping	TCP	, its a	adva	ntage	es ar	nd dis	sadvantag	jes.	7M
	b)	Write brief note	e on	Fast	Retr	ansn	nit/Fa	ast R	ecov	ery.					7M
_															
5.	a)	Discuss the pr	•												6M
	b)	How routing is	done	e in l	MAN	ETS	? Brie	efly d	escr	ibe v	ariou	s rou	iting algor	rithms?	8M
•						D O									
6.	a)	Explain WAP r						-	deta	II.					8M
	b)	Describe abou	t Blu	letoc	oth us	ser s	cena	rios							6M
7						t					-0				714
7.	a)	Illustrate powe							•		-				7M
	b)	Explain Recov	ery a	ind q	uality	y of s	servio	ce iss	sues	ın tei	ms o	atab	ase.		7M
Q	<i>2)</i>	Define commu	nicot	ion		notr <i>i</i>	2 Ev	alain	with	cuito		vom	nlec?		7M
8.	,	Define commu			•	•									
	b)	Differentiate be	etwee	en pi	ush-k	based	d and	a pull	-bas	ed m	echa	nism	IS?		7M

Ha	ll Tic	icket Number :														
Cod	le: 1	G177			I					<u> </u>				R-	11/R-	13
IV E	3.Te	ch. I Semeste	r Re	gulo	ar &	Sup	pler	nen	tary	Exa	mine	atio	ns N	lover	mber 2	016
							Pro	-		-						
(Information Technology) Max. Marks: 70 Time: 3 Hou																
Answer any five questions												10013				
All Questions carry equal marks (14 Marks each)																
1.	a)	List the well-known ports, registered ports and private ports?											7M			
	b)	Describe abou	t clie	nt/se	erver	com	muni	catio	n usi	ng T	CP c	on the	e sa	me Etł	hernet?	7M
_																
2.	,	Compare fork(U U											6M
	b)	List the function ordering and h					usin	g for	con	vertir	ng b	etwe	en	netwo	rk byte	8M
				yie c	Juci	ing :										Olvi
3.	a)	State the steps	State the steps involved in normal termination of client server?												7M	
	b)	Compare wait() witl	h wa	itpid()?										7M
4.	a)	Explain about	poll()	fund	ction	?										7M
	b)	Why would an					hutdo	own y	with	an a	rgum	nent	of S	SHUT_	RDWR	
		instead of just	callir	ng clo	ose()	?										7M
5.	a)	What are the tw	vo fu	nctio	ns us	sed ii	n UD	P clie	ent/se	erver	to pe	erforr	m re	ad and	d write?	7M
-	,	Discuss the med									•					
	/											0				
6.	a)	Explain the get	thost	byna	me()) fun	ction	?								7M
	b)	Explain the get	taddi	rinfo() fun	ction	?									7M
7.	a)	Give the kerne	l sup	port	for s	ema	phor	es?								7M
	b)	Develop a C p	rogra	am to	imp	leme	ent cli	ent/s	erve	r con	nmui	nicat	ion	using p	pipes?	7M
0	o)	How to open a	nee	uda t	orm:	no!?										714
ο.	a) b)	How to open a	•				202									7M 7M
	b)	Write about cli		Jeal	e() I(in Cti	201? **	*								7M