## CRCS SCHEME

						,			<i>_</i> /L  L L		487			
USN	٥							٠						15CS743
		Sor	vontl	So	mag	tor B	er r	)egree	Eva	minati	on. Ja	n./F	eb. 202	21
Seventh Semester B.E. Degree Examination, Jan./Feb. 2021  Information and Network Security														
Tim	e: 3	hrs.							A.			G	Max. N	Marks: 80
	N	ote: A	nswer	any	FIVE	full q	juestio	ns, choo	sing (	ONE full	questic	n fron	í each m	odule.
				•						-				
1	a.	Liett	the fou	r cla	ssic ci	rvnto	6	Modu	<u>1e-1</u>			Y		(04 Marks)
1	b.						ypto ci	pher in b	rief.					(12 Marks)
		•	,			A		OF						
2	a.	Write	e the b	asic	termir	ology	ofcry			diagram.	indicat	ing cry	pto as a	Black box.
_	<ul> <li>a. Write the basic terminology of crypto, with neat diagram, indicating crypto as a Bla</li> <li>b. List any three cipher and explain the following cipher in brief: (i) Cipher of election</li> </ul>												(08 Marks)	
	b.						kplain 1	the follov	ving o	cipher in	brief: (i	) Ciph	er of elec	(08 Marks)
		(ii) (	Codeb	ook (	iphe	(11	11) Moo	dern Cryp	ото н	istory				(00 Marks)
					4		2.0	Modu		. Markey	,			
3	a.	Expl	ain in	brief	(i) B	irthda	y prob			hday atta				(08 Marks)
	b.	Expl	ain in	briet	: (1) N	on-cr	yptogra	aphic has	nes	(ii) HM	AC -			(08 Marks)
								OF	3		7		~	
4	a.	Expl	ain in	brief	the T	iger h	ash.	C 1	1 C	- (1)	Onlina	hida A	Goom	(08 Marks)
	b.	Expl	ain in	bnet	in the	sense	e of use	es for has	in Iun	etion: (1)	Online	blus	n) Spain	reduction (08 Marks)
								Modu	ıle-3		,	4		,
5	a.	Expl	ain wi	th ex	ample	diag	ram of	dynamic	passy	word sch	eme. 🤻			(08 Marks)
	b.	Expl	ain th	e zer	o knov	wledge	e mech	anism wi	ith dia	agram.	4	7		(08 Marks)
			57		9			OI	R	_	#			
6	a.	List	and ex	plair	the A	KE p	rotoco	l goals.						(08 Marks)
	b.	List	the sta	ges	of pro	tocol o	design	and expla	ain in	brief.	*			(08 Marks)
			63	*				Modu	ıle-4	0				
7	a.	Exp	lain in	brie	the k	ey life	cycle	with nea	t diag	gram.		~ .	1.0	(08 Marks)
	b.,	List	and ex	plai	ı in bı	ief the	reaso	ns why c	rypto	graphic k	eys hav	e finite	e life tim	es. (08 Marks)
	G	5			diff	V		, <b>(0</b> )	R					
8	a.	Exp	lain th	e fol	owing	g in br	ief wit	h respect	to go	verning	key mai	nageme	ent:	
	*	(i)						practices	and p	rocedure	S			(00 Mardra)
	1.	(ii)	Key	gene	ration	ceren	nony	3_level	kev	hierarch	v and	list the	e two a	(08 Marks) dvantages of
	b.		oying					J-10 VC1	RCy	meraren	y und	not un		(08 Marks)
		ucpi	o y mig	ne)		Ĝ	3							
0		T2	1 - 1 - 1 - 1 -	1	ftha C	OF Lo	mon	Modu						(08 Marks)
9	a. b.	Exp List	iain in and e	one	n in bi	ief the	e SSL	agement. design is:	sues.					(08 Marks)
	v.	101		-T	dh.	modelic and	•							*
4.0		T :-4	am d =	1 <i>A</i> 2	n in h	rief th	e WED	O Confide		ty and In	tegrity \	Weakn	ess.	(08 Marks)
10	a. b.	L1St List	the fe	apiai	esign i	ssues	emerg	ing from	the s	tudy of C	SSM an	d UM7	S and e	xplain each in
	υ.		f.	y		• .				•	ä			(08 Marks)
								* * *	* * *					

Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.

2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.