Hall Ticket Number:

IV/IV B.Tech (Supplementary) DEGREE EXAMINATION

Ma Sev Tim	rch vent	, 2018 h Semester ree Hours	Common for CSE & IT Cyber Security Maximum: 60 Marks
Ans	wer Q	Question No.1 compulsorily.	(1X12 = 12 Marks)
Ans	wer C	DNE question from each unit.	(4X12=48 Marks)
1.	Ar	iswer all questions	(1X12=12 Marks)
	a)	What is Cybersecurity?	· · · · · · · · · · · · · · · · · · ·
	b)	What is the difference between Symmetric and asymmetric cipher?	
	c)	What is Steganography?	
	d)	What are the characteristics of a good security metric?	
	e)	Write any two NIST sample metrics.	
	f)	What is the use of set toolkit?	
	g)	What is Vulnerability?	
	h)	What is use of Nessus tool.	
	i)	What is the use of metasploit tool?	
	j)	What is a Firewall?	
	k)	What is MBSA?	
	1)	What is Configuration Management?	
		UNIT I	
2.	a)	Discuss OSI Security architecture in detail.	8M
	b)	Explain Hill Cipher with an example.	4M
		(OR)	
3.	a)	Discuss DES Encryption algorithm in detail.	12M
		UNIT II	
4.	a)	Discuss AES algorithm in detail.	12M
		(OR)	
5.	a)	Write about snort tool in detail.	6M
	b)	What are iptables? Explain.	6M
		UNIT III	
6.	a)	Explain in detail RSA algorithm with an example.	8M
	b)	How do you launch payloads using metasploit.	4M
7	a)	Give any 8 commands of Nman tool	8M
7.	b)	Give a short note on vulnerability management.	4M
		1 INIT# 187	
8	<i>3)</i>	UNIT IV Write a detail note on Configuration management	1 <i>3</i> M
0.	a)	(OR)	1211
9.	a)	Discuss installation and working of MBSA.	12M

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IV/IV B.Tech (Supplementary) DEGREE EXAMINATION

March, 2018

Common to CSE & IT DESIGN AND ANALYSIS OF ALGORITHMS

Sev Tim	e: Th	h Semester							DES	IGN AND	ANALYSIS OF ALGOR Maximum: 6	ITHMS 0 Marks
Ansi	vor C	uestion No 1 c	omnu	lsori	' 22						(1X12 - 1)) Marks)
A 11131			ompu	1	.y.						(1X12 - 12)	$\sum \mathbf{N} \mathbf{I} = \mathbf{I} \mathbf{I} \mathbf{I} \mathbf{I} \mathbf{I} \mathbf{I} \mathbf{I} \mathbf{I}$
Ansv	ver 0	INE question fr	om ec	ach u	nit.						(4X12=48	5 Marks)
1.	An a) b) c) d)	swer all questio Define progra State towers o What is the to What is the co	ns m ver f Han tal nu ontrol	ificati ioi pro mber abstra	ion a oblem of no action	nd va n? odes i n?	ilidation?	en st	ate space tree?		(1X12=12	Marks)
	e) f) g) h) i)	What is the di Define live no Define satisfia State Dominar What are the a	tteren de an ibility nce ru	ice be id E-n '? ile?	twee ode?	n gre	vantages of	ynar	nic programmi	ng?		
	i) j) k) l)	What are the a Define articula what are the d Define implici	ation j ata str it and	point ructur expli	and of the second secon	conne sed fc onstra	ected compor BFS and aints?	pone DF	nts? S?			
2.	a)	UNIT I What do you mean by performance analysis of an algorithm? Explain 6										
	u) 1.)	E	C4	N	r		4:1:			-P.m.		(M
	D)	Explain about	Stras	sen Iv	latrix	(mui	uplication	((OR)			OM
3.	a)	Explain the ge	neral	meth	od o	f divi	de and cor	nque	r. Solve the red	cursive relat	ion using substitution metho	od:
			7	$\Gamma(n)$	$=\begin{cases} 2\\ 2\\ 2\end{cases}$	2 2F(1	n/2)+n	if if	n = 1 $n > 1$			5M
	b)	Write merge s	ort al	gorith	m ar	nd dev	velop com	puti I II	ng time of a re	cursive relat	ion to find T(n)	7M
4.	a) b)	What is knaps (p1 to p7)={10 What is a sing	ack pr 0,5,15 ;le sou	roblei 5,7,6,1 urce sl	n? F 8,3 } horte	ind and and est part	n optimal (w1tow7)= th problem	solu ={2, n? G	tion to the knap 3,5,7,1,4,1 } ive greedy algo	psack instan orithm to ge	ce n=7 & m=15, nerate shortest paths?	6M 6M
5	2)	Coluce the Two		• ~ ~ ~	اممع		muchlows	(OR)	matrix for	antineal town wains dynam	
5.	a)	Solve the Tra		ng sa 8	16	18		as s	nown in cost	matrix for	opumai tour using dynan	lic
		programming	10 9	0 31	19 0	20 12						6M
	b)	Discuss about	16 the m	12 nultist	7 age g	0 graph	's forward	l and	l backward app	proach with	example	6M
6.	a) b)	Write a pseude Explain the gr	o-code aph tr	e to d ravers	etern al teo	nine l chniq	biconnecte ues with a	UN ed co in ex	MT III omponents and ample?	explain?		6M 6M
7	0)	$I_{ot} w = \{15, 7, 7\}$	0 5 1	Q 10	121.6	and n	-25 find) 11 n	OR)	of withot a	um to musing sum of subs	oto
7.	a) b)	Let $w = \{15, 7, 20, 5, 10, 10, 12\}$ and $m = 55$, find an possible subsets of w that sum to m using sum of subsets algorithm. Draw the portion of the state space tree that is generated. 6M Write the general method of backtracking and design an algorithm for N-queens problem? 6M										
8.	a)	What is a bounding function? Explain how these bounds are useful in Brach & Bound methods?							6M			
2.	b)	Write compara	ative 1	note c	on so	lving	the knaps	ack	problem by OR)	i) LCBB	ii) FIFOBB	6M
9.	a) b)	Write short no State and Expl	otes or lain co	n clas ook's	ses N theo	√P-ha orem.	rd and NP	-cor	nplete?			6M 6M

Hall Ticket Number:										

IV/IV B.Tech (Supplementary) DEGREE EXAMINATION

April, 2018	Electronics & Communication Engineering
Seventh Semester	Mobile Application Development
Time: Three Hours	Maximum : 60 Marks
Answer Question No.1 compulsorily.	(1X12 = 12 Marks)
Answer ONE question from each unit.	(4X12=48 Marks)
1. Answer all questions	(1X12=12 Marks)
a) Define scope and life time of a variable in	java.
b) Define Method Overloading.	
c) What is Dynamic Method Dispatch?	

- C) Dyi How to set CLASSPATH? d)
- e) Define enumeration.
- Differentiation between byte stream and character stream. f)
- Give the versions of Android. g)
- h) What is an emulator?
- What are view groups of Android? i)
- Define database. j)
- k) List web services.
- 1) What is GPS?

UNIT I

2.	a)	Define Constructor. Write a java program to narrate constructor overloading.	6M
	b)	What is an interface? Explain the procedure to implement and extend an interface	6M
		(OR)	
3.	a)	Differentiate between nested classes and inner classes. Illustrate with an example	8M
	b)	Explain different parameter passing mechanisms	4M
		UNIT II	
4.	a)	List out method in String class. Write a java program to test whether the given string is	
		palindrome or not.	8M
	b)	Explain in detail about wrapper classes.	4M
		(OR)	
5.	a)	Differentiate between the throw and throws in exception handling. Illustrate with suitable	
		examples.	8M
	b)	Write a java program to illustrate "finally" with the exception "Array Index Out Of Bound	4M
		Exception".	
		UNIT III	
6.	a)	What is Android? Write the different features of Android.	6M
	b)	Illustrate the procedure to develop an Android Application using Eclipse.	6M
		(OR)	
7.	a)	What is an activity? How to apply style and themes to an activity? Explain with suitable	8M
		example.	
	b)	Write the procedure to use the Picker Views to display lists of items.	4M
		UNIT IV	
8.	a)	Explain how to save data using the Shared Preferences object.	6M
	b)	How to send SMS message programmatically from within an application?	6M
		(OR)	
9.	a)	Explain the procedure to display the Google Maps in an application.	6M
	b)	How to monitor a Location using Location Manager class.	6M