	ŀ	Hall Ticket Number :			-			
		Code: 194552T	R-19					
	Code: 19A552T III B.Tech. I Semester Supplementary Examinations Nov/Dec 2022		Dec 2022		-			
Computer Networks								
		(Computer Science and Engineering)						
		Max. Marks: 70 Answer any five full questions by choosing one question from each unit ( ********	Time: 3 5x14 = 70 <i>1</i>					
		UNIT–I	Marks	со	Blooms Level			
1.		What is a network? Explain the differences between Local Area Network	·ks					
		and Wide Area Networks with suitable diagrams.		CO1	L2			
		OR						
2.		Illustrate the functionality of various layers present in OSI model with a ne						
		sketch	14M	CO1	L4			
2		UNIT-II	71.4	000				
3.	a) b)	Summarize Multiple Access Protocols	7M 7M	CO2 CO2	L2 L2			
	b)	Explain various IEEE 802.X frame formats. OR	7 111	002	LZ			
4	a)	Derive expression of throughput in ALOHA Protocol.	7M	CO2	L6			
	b)			002	20			
	0)	described in the text. The generator polynomial is $x3+1$ . Show the actual						
		string transmitted. Demonstrate CRC algorithm in detail.	7M	CO2	L4			
		UNIT–III						
5.	a)	Distinguish between adaptive and non-adaptive routing algorithms.	7M	CO3	L2			
	b)	What is an IP address? Discuss the various IP address classes.	7M	CO3	L2			
		OR						
6.	a)	Write about Internet protocol and types with their applications.		CO3	L2			
	b)	What is datagram network? Compare and contrast of virtual circuit a datagram networks		CO3	L3			
		UNIT-IV	7 111	003	LJ			
7.	a)		ls. 7M	CO4	L2			
	b)		7M	CO4	L3			
	- /	OR						
8.	a)	What do you understand Tunnel Model and What Protocols fall Under T	he					
		TCP/IP Internet Layer?		CO4	L4			
	b)	Generalize each field of the format of the TCP packet header. Specify t						
		justification for having variable field lengths for the fields in the TCP heade	er. 7M	CO4	L4			
0								
9.		Describe in detail about the following in electronic mail. i. Message format ii. Message transfer iii. Mail reader	1 4 1 4	CO5	L2			
		i. Message format ii. Message transfer iii. Mail reader <b>OR</b>	14101	005	LZ			
10.	a)	State the difference between fully qualified and partially qualified domain	ain					
10.	aj	name.		CO5	L2			
	b)	What is the significance of the Domain Naming System? Write a short no	ote					
		on DNS Name Space	7M	CO5	L2			
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		Hall Ticket Number :	_			
		R-19				
		Code: 19A55CT III B.Tech. I Semester Supplementary Examinations Nov/Dec 2022				
		Cryptography and Network Security				
		(Computer Science and Engineering)				
		Max. Marks: 70 Time: 3 Hours Answer any five full questions by choosing one question from each unit (5x14 = 70 Marks)				
		******* Marks	со	BL		
		UNIT–I				
1.		Explain about OSI Security architecture model with neat diagram 14M	1	2		
	OR					
2.	a)	Write short notes on				
		(i). Security attacks 7M	1	1		
		(ii). Security services 7M	1	1		
		UNIT–II				
3.	a)	What are disadvantages of double DES? 7M	2	2		
0.	b)	Perform decryption and encryption using RSA algorithm with p=3, q=11, e=7 and N=5. 7M				
	~)	OR	_	Ū		
4.	a)	In AES, how the encryption key is expanded to produce keys for the 10 rounds 7M	2	2		
	b)	Discuss about Public Key distribution and Symmetric-Key Distribution 7M				
	,					
_	、					
5.	,	Explain authentication requirements. 7M	-			
	b)	Explain approaches of digital signature standard 7M	3	2		
0			•	•		
6.		Describe Hash Functions Based on Cipher Block Chaining 14M	3	2		
		UNIT-IV				
7.	a)	Draw the general format for PGP message 7M	4	2		
	b)	Explain different Web security requirement. 7M	4	2		
		OR				
8.	a)	Write and explain TLS functions and alert codes of Transport Layer Security. 7M	4	1		
	b)	What is the use of SSL protocol? Explain SSL record protocol operation with SSL				
		record format 7M	4	2		
		UNIT-V				
9.	a)	Give the taxonomy of malicious programs. Define each one 7M	5	2		
	b)	Describe trusted system in detail 7M	5	2		
	,	OR				
10.						
		a) Firewall Configurations b) Viruses c) Trusted Systems				
		d) Worms e) HTTPS 14M	5	1		
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	ŀ	Hall Ticket Number :	R-1	0	]
	С	code: 19A551T	K-1	7	]
		III B.Tech. I Semester Supplementary Examinations Nov/De	c 2022		
		Advanced Java Programming			
		(Computer Science and Engineering)	Time of O		
		Max. Marks: 70 Answer any five full questions by choosing one question from each unit (5x1 *********	Time: 3    4 = 70 №		
			Marks	со	Blooms Level
		UNIT–I			
1.		Explain the JavaFX application skeleton with suitable example program.	14M	1	2
		OR			
2.	a)	Explain the life cycle methods of JavaFX application.	7M	1	2
	b)	Discuss about stage and Scene.	7M	1	2
		UNIT-II			
3.	a)	Write a JavaFX application to display image on the Label.	7M	2	3
0.	b)	List out JavaFX controls. Explain any two.	7M	2	2
	2)	OR	,	-	-
4.		Demonstrate RadioButton component functionality with an example program.	14M	2	2
				_	_
_		UNIT–III			
5.		Explain			
		a) DriverManager interface			
		<ul><li>b) Connection interface</li><li>c) ResultSet interface</li></ul>	14M	3	2
		OR	1-1101	0	2
6.	a)	List and explain the methods to make changes to ResultSet.	7M	3	2
	b)	Explain cursor movement methods in ResultSet.	7M	3	2
	~)			Ū	_
_		UNIT-IV			
7.		List out and explain methods from ServletRequest interface and ServletResponse interfaces.	14M	4	2
		OR	1-1101	т	2
8.	a)	Differentiate between GenericServlet and HttpServlet.	4M	4	4
0.	b)	Develop a HttpServlet application to read parameters from HTML form	10M	4	3
	2)		10111	•	Ū
		UNIT–V			
9.		How can you use jsp:include and jsp:forward action tags. Demonstrate with		-	0
		an example program	14M	5	2
10	$\sim$	OR Develop a ion application to forward a request from and ion page to another			
10.	a)	Develop a jsp application to forward a request from one jsp page to another jsp page.	8M	5	3
	b)	Differentiate between Servlet and JSP.	6M	5	3
	5)		OW	5	5