

				Sub	ject	Cod	le: K	NC	301
Roll No:									

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BTECH (SEM III) THEORY EXAMINATION 2021-22 COMPUTER SYSTEM SECURITY

Time: 3 Hours Total Marks: 50

Note: Attempt all Sections. If you require any missing data, then choose suitably.

	SECTION A	= 10
Qno	npt all questions in brief. 2*5 Questions	CO
(a)	Why is Session Hijacking successful?	1
(b)	What is the significance of Confinement Principle?	2
(c)	How access control in UNIX is different from Windows?	3
(d)	How many look-up zones are in DNS?	4
(e)	Define Firewall and Its Uses?	5
	SECTION B	
	npt any three of the following: 5*3 =	
Qno	Questions	CO
(a)	What is Control hijacking with an example? Explain the term of Buffer	1
(1-)	overflow in Control hijacking.	2.1
(b)	Write short notes on System call Interposition.	3
(c)	What is Cross Site Scripting? How to Protect against XSS Attacks.	
(d)	Explain the term Public key Cryptography in detail.	4
(e)	Explain in brief about RSA Public key cryptography.	5
Atten Qno	SECTION C npt any one part of the following: 5*1 Questions	= 5
(a)	How Security System Should Evolve to Handle Cyber Security Threats	1
()		1 1
	and Vulnerabilities?	1
(b)		4
\ /	What is a Digital Signature? How Digital Signature Works?	4
\ /	What is a Digital Signature? How Digital Signature Works? npt any one part of the following: 5 *1	4
Atten	What is a Digital Signature? How Digital Signature Works?	4 = 5
(a) (b)	What is a Digital Signature? How Digital Signature Works? Inpt any one part of the following: How to detect Rootkits? Explain how to prevent Rootkits	4 = 5 2 2
(a) (b)	What is a Digital Signature? How Digital Signature Works? Inpt any one part of the following: How to detect Rootkits? Explain how to prevent Rootkits Explain the need of Software fault isolation.	4 = 5 2 2
Atten (a) (b) Atten	What is a Digital Signature? How Digital Signature Works? Input any one part of the following: How to detect Rootkits? Explain how to prevent Rootkits Explain the need of Software fault isolation. Input any one part of the following: How Cross site request forgery attack works? Also mentioned example	4 = 5 2 2 = 5
Atten (a) (b) Atten (a) (b)	What is a Digital Signature? How Digital Signature Works? Inpt any one part of the following: Explain the need of Software fault isolation. Inpt any one part of the following: S*1 How Cross site request forgery attack works? Also mentioned example of CSRF Attack. What's the difference between Browser Isolation and Remote Browser Isolation? Inpt any one part of the following: S*1	4 = 5 2 2 = 5 3
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Atten (a) (b) Atten (a) (b) Atten (b) Atten (a) (b)	What is a Digital Signature? How Digital Signature Works? In the standard of the following: Explain the need of Software fault isolation. In the standard of the following: Explain the need of Software fault isolation. In the standard of the following: Explain the need of Software fault isolation. In the standard of the following: Explain RSA difference between Browser Isolation and Remote Browser Isolation? In the standard of the following: Explain RSA algorithm. Perform Encryption and Decryption using RSA for p=11,q=13,e=7,m=9. What is Symmetric and Asymmetric Key cryptography? Write their respective advantages and disadvantages?	4 =5 2 =5 3 =5 4