

				Sub	ject	Cod	le: k	INC	301
Roll No:									

Printed Page: 1 of 1

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.

A ttar	SECTION A	= 10
Qno	npt all questions in brief. 2*5 Questions	_ TO
(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
(b)	Write short notes on System call Interposition.	3
(c)	What is Cross Site Scripting? How to Protect against XSS Attacks.	$\neg \lor$
(d)	Explain the term Public key Cryptography in detail.	4
(e)	Explain in brief about RSA Public key cryptography.	5
Atten Qno	SECTION C apt any one part of the following: Ouestions 5*1	= 5
(a)	How Security System Should Evolve to Handle Cyber Security Threats	1
	and Vulnerabilities?	1
(b)	What is a Digital Signature? How Digital Signature Works?	4
(/	npt any <i>one</i> part of the following: 5 *1	
		= 5
(a) (b)	How to detect Rootkits? Explain how to prevent Rootkits	= 5 2 2
(a) (b)	How to detect Rootkits? Explain how to prevent Rootkits Explain the need of Software fault isolation.	2 2
(a) (b)	How to detect Rootkits? Explain how to prevent Rootkits Explain the need of Software fault isolation.	2 2
(a) (b) Atten	How to detect Rootkits? Explain how to prevent Rootkits Explain the need of Software fault isolation. The part of the following: How Cross site request forgery attack works? Also mentioned example	2 2 = 5
(a) (b) Atten (a) (b)	How to detect Rootkits? Explain how to prevent Rootkits Explain the need of Software fault isolation. The property of the following: How Cross site request forgery attack works? Also mentioned example of CSRF Attack. What's the difference between Browser Isolation and Remote Browser	2 = 5 3
(a) (b) Atten (a) (b)	How to detect Rootkits? Explain how to prevent Rootkits Explain the need of Software fault isolation. npt any one part of the following: How Cross site request forgery attack works? Also mentioned example of CSRF Attack. What's the difference between Browser Isolation and Remote Browser Isolation?	2 = 5 3
(a) (b) Atten (a) (b) Atten	How to detect Rootkits? Explain how to prevent Rootkits Explain the need of Software fault isolation. Inpt any one part of the following: 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: Explain RSA algorithm. Perform Encryption and Decryption using	
(a) (b) Atten (a) (b) Atten (a) (b)	How to detect Rootkits? Explain how to prevent Rootkits Explain the need of Software fault isolation. Inpt any one part of the following: 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: 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? Inpt any one part of the following: 5*1	2 = 5 3 = 5 4
(a) (b) Atten (a) (b) Atten (a) (b)	How to detect Rootkits? Explain how to prevent Rootkits Explain the need of Software fault isolation. **Topt any one part of the following: How Cross site request forgery attack works? Also mentioned example of CSRF Attack. What's the difference between Browser Isolation and Remote Browser Isolation? **Topt any one part 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?	2 = 5 3 = 5 4