

				Sub	ject	Cod	le: k	CNC	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.

Atton	SECTION A apt all questions in brief. 2*5	= 10
Qno	Questions	CC
(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	4 =
	npt any three of the following: 5*3 =	1
Qno	Questions	CC
(a)	What is Control hijacking with an example? Explain the term of Buffer overflow in Control hijacking.	1
(b)	Write short notes on System call Interposition.	2
(c)	What is Cross Site Scripting? How to Protect against XSS Attacks.	3
(d)	Explain the term Public key Cryptography in detail.	4
(e)	Explain in brief about RSA Public key cryptography.	5
Auten	ibi any one part of the following.	= 5
Qno	Questions	
Qno (a)	Questions  How Security System Should Evolve to Handle Cyber Security Threats and Vulnerabilities?	1
Qno (a) (b)	Questions  How Security System Should Evolve to Handle Cyber Security Threats and Vulnerabilities?  What is a Digital Signature? How Digital Signature Works?	1 4
Qno (a) (b) Atten	Questions  How Security System Should Evolve to Handle Cyber Security Threats and Vulnerabilities?  What is a Digital Signature? How Digital Signature Works?  Appt any one part of the following:  5 *1	1 4 = 5
Qno (a) (b) Atten (a)	Questions  How Security System Should Evolve to Handle Cyber Security Threats and Vulnerabilities?  What is a Digital Signature? How Digital Signature Works?  Inpt any one part of the following: 5 *1  How to detect Rootkits? Explain how to prevent Rootkits	$ \begin{array}{c c}  & CC \\  & 1 \\ \hline  & 4 \\  & = 5 \\ \hline  & 2 \\ \end{array} $
Qno (a) (b) Atten (a) (b)	Questions  How Security System Should Evolve to Handle Cyber Security Threats and Vulnerabilities?  What is a Digital Signature? How Digital Signature Works?  The part of the following:  How to detect Rootkits? Explain how to prevent Rootkits  Explain the need of Software fault isolation.	$ \begin{array}{c c}  & CC \\  & 1 \\  & 4 \\  & = 5 \\  & 2 \\  & 2 \end{array} $
Qno (a) (b) Atten (a) (b)	Questions  How Security System Should Evolve to Handle Cyber Security Threats and Vulnerabilities?  What is a Digital Signature? How Digital Signature Works?  In the stand one part of the following:  Explain the need of Software fault isolation.  In the standard of the following:  The	1 4 = 5 2 2 = 5
Qno (a) (b) Atten (a) (b) Atten	Questions  How Security System Should Evolve to Handle Cyber Security Threats and Vulnerabilities?  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	CO   1   4   = 5   2   2   = 5   3
Qno (a) (b) Atten (a) (b) Atten (a) (b) (b)	Questions  How Security System Should Evolve to Handle Cyber Security Threats and Vulnerabilities?  What is a Digital Signature? How Digital Signature Works?  In the stand one part of the following:  Explain the need of Software fault isolation.  In the stand one part of the following:  The stand 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?	CO   1   4   = 5   2   2   = 5   3   3
Qno (a) (b) Atten (a) (b) Atten (a) (b) (b)	A Guestions  How Security System Should Evolve to Handle Cyber Security Threats and Vulnerabilities?  What is a Digital Signature? How Digital Signature Works?  In the stand one part of the following:  Explain the need of Software fault isolation.  In the stand one part of the following:  The stand of th	CO   1   4   = 5   2   2   2   = 5   3   3   = 5
Qno (a) (b) Atten (a) (b) Atten (a) (b) Atten (b) Atten	Questions  How Security System Should Evolve to Handle Cyber Security Threats and Vulnerabilities?  What is a Digital Signature? How Digital Signature Works?  Input any one part of the following:  Explain the need of Software fault isolation.  Input 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?  Input any one part of the following:	$ \begin{array}{c c} \hline  & 1 \\ \hline  & 4 \\ \hline  & 5 \\ \hline  & 2 \\ \hline  & 5 \\ \hline  & 3 \\ \hline  & 3 \\ \hline  & 5 \\ \hline  & 4 \\ \end{array} $
Qno (a) (b) Atten (a) (b) Atten (a) (b) Atten (b) (b)	A Questions  How Security System Should Evolve to Handle Cyber Security Threats and Vulnerabilities?  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:  Figure 1. The system of the following:  The system of the following:  What's the difference between Browser Isolation and Remote Browser Isolation?  Inpt any one part of the following:  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?	CO   1   4   = 5   2   2     3     3     = 5   4   4
Qno (a) (b) Atten (a) (b) Atten (a) (b) Atten (b) (b)	Questions  How Security System Should Evolve to Handle Cyber Security Threats and Vulnerabilities?  What is a Digital Signature? How Digital Signature Works?  Input any one part of the following:  Explain the need of Software fault isolation.  Input 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?  Input any one part of the following:	C()   1   4   = 5   2   2     3     3     = 5   4   4