and the second	Assignment 2 Shashwat Shah
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Burbin or a matrix	TYPHELS Comps 8
the state of the s	
	cel Albert Explain malwane with its types.
-	Makerane short for matrious sufferent refers to any soften
No. of Particular States	intentionally designed to come darnoge to a comenter some
	Network or very
•	1 virus - loograms that replicate themselves by attaching to
	other files or programs and execute malicions actions
	when these ples are activated.
	@ worms - Sey - repleasing malwage that spreads acress
	networks by exploiting vulnerabilities in operating systems or
	application,
1	1) Trojans - Malwace disquied as legitimate software or fres
	TO Trick been into executing them are authorized
	Con Glease back - doors for attacker steal count
	malicions activities introductions
	randornewater Energy tiles or lucks users and of the
	Jemanin nament to letter and
	of spy water collects serviture marine
	devices without the voor consent such as login
4	credentels.
-	6 Adware- Osplay unwanted admentioned or redirect
	veer to andicion soll and administrate or redirect
	ver to malicious softwareds, we like, downloads.
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	Q's	Explain & illustrate cross sit scripting
-		Gass site societing (x5s) is a vulnerability in a
-		web application that allows a third party to exercise
		a script in the user browser or behalf of
-		true meb application
		Chose site scupting is one of the most vulnerability
		Present on web today.
		The exploitation of xss against a user can lead to
_		vaccións conseavencies such as account compromise
_		account deletion and many move.
		Pseudry XSS attacks, involves implemently proper
		inport validation and output encoding techniques
_		in met application
		This include differry and sanitary, uses input to
		remove or neutralise potenticy malicious characters.
		and encody output to ensure to treated as
		plan text
9	A	additionals very Remoty machanisms like content
		security policy can help mitigate the troks associated.
	_ 0	epending on content there are two types of xss
_	12	Rejucted XSS
	_	If the input has to be provided each time to execute.
-	<u> </u>	Such XSS is called reflected.
1	1	here attacks are mostly carried ond by delivery a
	11	ayload dreety to Victim
	2)	Stoved XCS
	u	Ohen response contains the payload is itored
		The seemen in such a way that the suipt
	1	to executed on every visit. An example of stood
		S is XSS in the comment threat.
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	P.3 Explain Dos attack
	A Denial of sorvice attacks a floods a larget system or retwork with excessive traffic, rendervir it in accessible
	to legitimate users.
	Attackers exploit vulnerabilities to overwhelm sequent rowless
	or networks, disrupting Services and causing down
1	time.
	Common types include SAN Y1001, UDP flood and ICMP
	glood attacks
	DOS abock aim to exhaust resource leading to
	System crashes or slowdown, impacting business
	operations and user experience.
	Mitigation strategies involve implementing network
	secondy measures, such as fixewalls and interminent
	detection system to litter and block malicion
	traffic.
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