NAME: KRUNAL RANK ROLL No: 1800081 CLASS: BTECH JAH LEAR JEMESTER:- + 1 VISION :-

U18C0081 27/07/21 Date_Page_ CNS Tutorial 1 i) Confidentiality: Confidentiality is equivalent to privacy and avoids the unauthorized disclosure of information. It involves the protection of data, providing access for those who are allowed to see it while disallowing others from learning anything about its ii Traffic flow considentiality: These are mes techniques divised to hide the traffic pattern to prevent sat statiscal traffic analysis attacks. iii) Integrity: Integrity refers to the methods for ensuring that
the data is real, accurate and safeguarded from unauthonized user modification. Some examples to reinforce integrity are: backups, checksums, data correcting codes. iv) Availability: Availability is the property in which information is accessible and modifiable in a timely fashion by those authorized to do so. It is the determination of constant and vallable access to sensitive data Some tools to enforce availability are physical protections and redundant data stored in distant, remote data centers.

Nonrepudiation: Nonrepudiation is the assurance that someone cannot deny something.

Typically, it refers to the ability to ensure that a party to a constant contract or a communication cannot deny the authenticity of their signature on a document or

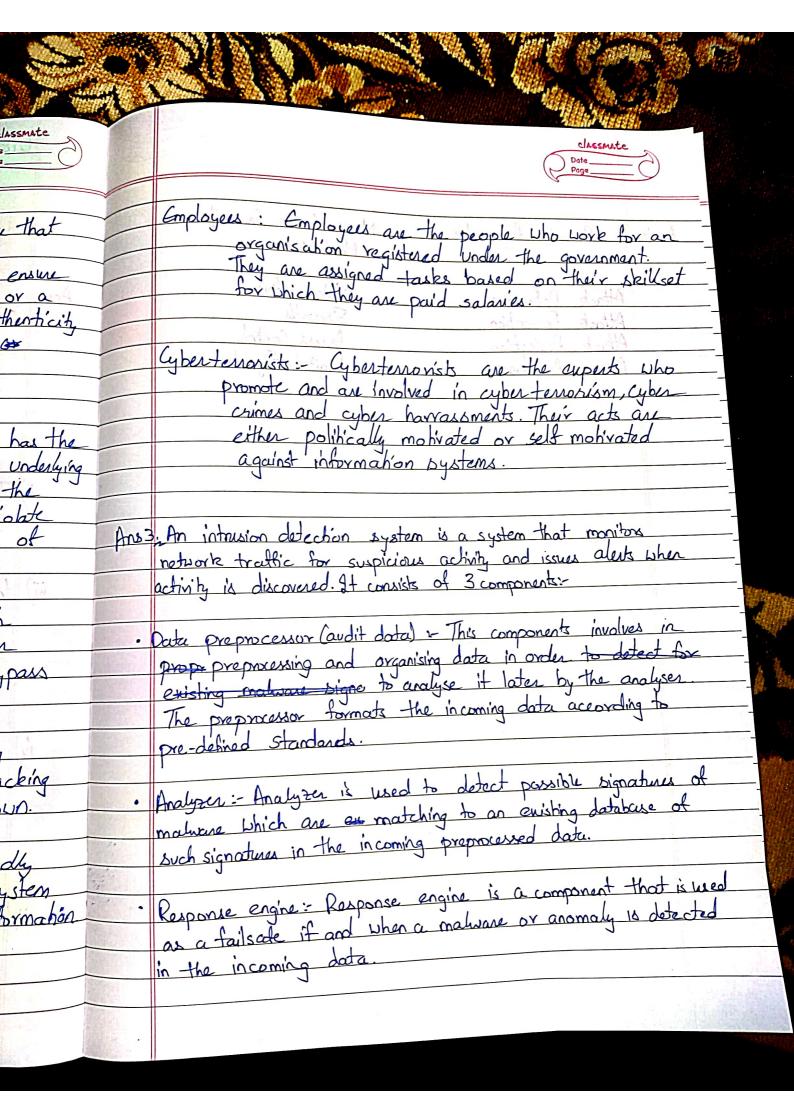
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Hackers: A hacker is a computer supert that has the knowledge and deep understanding of the underlying so computer system and software, who uses the knowledge to subvert the system and violate the confidentiality, integrity or availability, of the system data.

Crackers & A cracker is a computer expert with deep understanding of the understanding computer systems, who uses that knowledge to bypass the security of a software or notwork.

Script kiddies: These are people who use enishing scripts and codes to back into a system, lacking the skill to write those codes on their own.

Spies: Spies are the people who monuthonizedly monitor the data on a network or in a system to obtain valuable Secrets and Sensitive information



classmate Name of the Security Security Approaches Ans 4 Mechanism Notanzation Attack Deterrance Firewalls Attack Prevention Access Control. Attack Deflection Digital Signature Attach Avoidance