

ASSIGNMENT 1

1. List all symmetric key algorithm

Ans Advanced Encryption Standard International
Data Encryption Algorithm Blowfish
Rivest Cipher 4 (RC4)
Rivest Cipher 5 (RC5)
Rivest Cipher 6 (RC6)

2. List all asymmetric key algorithm

Ans RSA
Diffie-Hellman
ElGamal
ECC

3. List all algorithms for message digest

Ans MD5
SHA-1

ASSIGNMENT-2

1. PII:-

Ans Personal Identifiable Information is any data that could potentially identify a specific individual

c) US privacy act of 1974:-

Ans Establishes a code of fair information practices that governs the collections maintenance use and dissemination of information about individual that is maintained in system of by federal agencies

3) FOIA :-

Ans It requires the full or partial disclosure of previously unreleased information and documents controlled by united states government upon request

4) FERA:-

Ans It governs the access to educational information and records by public entities such as potential employers public funded educational institute and foreign governments

5) CFAA:-

Ans The law prohibits accessing a computer without authorization or in excess of authorization

6) COPAA

Ans The children online privacy protection act

7) VPPA

Ans It regulates the disclosure of information about customer consumption of video content imposing prescriptive requirement to obtain consumers consent to such disclosure

8) HIPAA:-

Ans Ensures that individual health care plans are accessible portable and renewable

9) GLBA

Ans It requires financial institution companies that offer consumers financial products or services like financial or investment advice or insurance to explain their information sharing practices to their customer

10) FCRA

Ans The FCRA regulates foreign donations and ensures that such contributions do not adversely affect internal security

11). FACTA

Ans It is principally known for its provisions against identity theft.

ASSIGNMENT-3

* State the full form

- 1) RADIUS :- Remote Authentication Dial In User Service
- 2) TACACS :- Terminal Access Controller Access Control
- 3) L2TP :- Layer 2 Tunneling Protocol
- 4) PPTP :- Point to Point Tunneling protocol
- 5) EAP :- Extensible Authentication protocol
- 6) CHAP :- Challenge Handshake Authentication Protocol
- 7) NTLM :- Windows Challenge / Response
- 8) PAP :- Password Authentication Protocol
- 9) SSH :- Secure Shell
- 10) LDAP :- Lightweight directory access protocol

ASSIGNMENT-4

Date :-

Q11. List names of software

1. Firewall

Fortigate

Sophos Xa Firewall

Watchguard Network Security

Sonicwall

Cisco

GlassWire Firewall

2. Intrusion detection & prevention

DSSEC

Snort

Saricates

Security Onion

3. Anti-virus

BitDefender

Morton Antivirus

Avira Antivirus

MacFree Antivirus

Kaspersky Antivirus

4. Packet ~~sn~~ sniffing

Wireshark

Steel Control Packet Analyzer

Network Miner

Kismet

Q2) State any 10 security software used by ~~ethical~~ ethical hacker

Ans Metasploit Framework

Nmap

Open SSH

Wire Shark

Nessus

Aircrackng

ShorT

John the Ripper

Cophicrack

Q3) What is the role of CERT

Ans CERT primary role is to raise ~~security~~ security awareness among Indian cyber community and to provide technical assistance and advise them to help them recover from computer security incidents

Q4) List OWASP top ten

Ans Injection

Broken Authentication

Sensitive Data Exposure

XML External Entities

Broken Access Control

Security misconfiguration

Cross Site Scripting

Insecure ~~de~~ deserialization

Insufficient logging and monitoring