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Q:1. What was the percentage increase in Zero Day Vulnerabilities in the year 2015?

- ☐ 1. 4%
- ☐ 2. 50%
- ☐ 3. 100%
- ☒ 4. 125%

Q:2. Identify the software whose vulnerability is exploited the most?

- ☐ 1. Android
- ☒ 2. Browser
- ☐ 3. Adobe Flash Player
- ☐ 4. Microsoft Office

Q:3. The computer vulnerabilities and exploits databases are maintained by _____.

- ☐ 1. Kaspersky Lab
- ☐ 2. Symantec Corporation
- ☒ 3. MITRE Corporation

☐ 4. None of the above

Q:4. Which of the following is/are correct with respect to Ransomware?

- ☐ 1. It is a form of Malware
 - ☐ 2. It encrypts the whole hard drive of the computer, essentially locking the user out of the entire system.
 - ☐ 3. It locks the system's screen or locks the users' files unless a ransom is paid.
 - ☒ 4. All of the above
-

Q:5. What hacking attacks were mentioned in the lesson?

- ☐ 1. Hacking in French Election
 - ☐ 2. ATM Hacking in India
 - ☐ 3. Denial of Service attack in Turkish Bank
 - ☒ 4. All of the above
-

Q:6. Which of the following is not an advantage of studying Cyber Security?

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- ☐ 2. It allows you to know the ways through which cyberspace can be breached

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- ☐ 3. Both A and B
- ☒ 4. None of the above

Q:7. Which of the following is considered legal?

- ☐ 1. Hacking a social media account and sending a private message
- ☐ 2. Hacking a bank account and siphoning funds
- ☒ 3. Hacking a company's security system with permission from the management
- ☐ 4. All of the above

Q:8. What is the cost of launching Denial of Service attack on a website?

- ☐ 1. \$20/hr
- ☐ 2. \$100/day
- ☐ 3. \$300/mont
- ☒ 4. Both A and B

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Q:9. Which of the following is correct for silent banker?

- ☐ 1. It is a trojan horse
- ☐ 2. It records keystrokes, captures screens and steals confidential banking credentials and sends them to a remote attacker
- ☒ 3. Both A and B
- ☐ 4. None of the above

Q:10. Which of the following is not a part of Security System Centric Design?

- ☐ 1. Policy
- ☒ 2. Agreement
- ☐ 3. Mechanisms
- ☐ 4. Threat Models

Q:11. Which of the following is not a goal in the security system design?

- ☒ 1. Vulnerability
- ☐ 2. Confidentiality
- ☐ 3. Integrity
- ☐ 4. Availability

Q:12. Which of the following is most important in design of secure system?

- ☐ 1. Assessing vulnerability
- ☐ 2. Changing or Updating System according to vulnerability
- ☒ 3. Both A and B
- ☐ 4. None of the above

Q:13. Which of the following is correct with respect to Penetration testing?

- ☐ 1. It is an internal inspection of Applications and Operating systems for security flaws.
- ☒ 2. It is an authorized simulated cyber-attack on a computer system, performed to evaluate the security of the system
- ☐ 3. It is hacking a security system of an organization.

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Q:14. Which of the following is to be done to avoid limitations in threat models?

- ☐ 1. Making more explicit and formalized threat models to understand possible weaknesses
- ☐ 2. Making simpler and more general threat models
- ☐ 3. Making less assumptions to design a better threat model
- ☒ 4. All of the above

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