

Cybersecurity Milestones: Early Innovations

Cybersecurity · Answer Key · 12 Questions

1. Who is often credited with inventing the first antivirus software?

- A) Tim Berners-Lee
- B) Vint Cerf
- C) Fred Cohen**
- D) Bill Gates

2. What was the name of the first known computer worm that spread across the ARPANET?

- A) Melissa
- B) ILOVEYOU
- C) Morris worm**
- D) Code Red

3. Which early cryptographic system, developed by IBM, was the first widely published cipher designed for commercial use?

- A) AES
- B) DES**
- C) RSA
- D) Blowfish

4. What significant cybersecurity concept was demonstrated by Bob Thomas in 1971 with the creation of 'Creeper'?

- A) Phishing
- B) Denial of Service
- C) Computer Virus**
- D) Ransomware

5. Who is widely recognized as the 'father of the internet' and co-invented the TCP/IP protocols?

- A) Steve Jobs
- B) Linus Torvalds
- C) Vint Cerf**
- D) Mark Zuckerberg

6. What year was the first widely publicized computer virus, 'Elk Cloner', created for the Apple II system?

- A) 1978
- B) 1982**
- C) 1987
- D) 1990

7. What does the acronym 'SSL' stand for, an early protocol for secure communication over a network?

- A) Secure Server Layer
- B) Simple Security Link
- C) Secure Sockets Layer**
- D) System Software License

8. Which cryptographic algorithm, invented by Rivest, Shamir, and Adleman, became one of the first public-key cryptosystems?

- A) AES
- B) DES
- C) SHA-256
- D) RSA**

9. What was the primary function of the 'Detective' program, developed by the NSA in the 1970s, in the context of early cybersecurity?

- A) To scan for viruses
- B) To detect unauthorized access**
- C) To encrypt data
- D) To create firewalls

10. In what decade did the concept of a 'firewall' as a network security device begin to emerge?

- A) 1960s
- B) 1970s
- C) 1980s**
- D) 1990s

11. What significant security vulnerability did the Morris worm expose in the early internet in 1988?

- A) Lack of encryption standards
- B) Insecure network protocols**
- C) Weak password policies
- D) Absence of antivirus software

12. What foundational technology for the World Wide Web did Tim Berners-Lee invent, which paved the way for many cybersecurity challenges?

- A) The internet
- B) The modem
- C) HTTP and HTML**
- D) Email