

Case Studies for Exam

Case Studies

One of the following Case studies will be on the exam:

- Cuckoo's Egg (~1986)
- Morris Worm (1988)
- ELIGIBLE RECEIVER (1997)
- SOLAR SUNRISE (1998)
- MOONLIGHT MAZE (1999)
- Cyber conflict in Georgia (2008)
- Operation Buckshot Yankee (2008)

Exam Type Questions

Four questions, a combinations of questions, or variation of similarly liked questions will be on the final exam:

- What is Cyber Warfare?
- What is the United States Doing About the Threat of a Cyber War?
- Have We Seen a Cyber War?
- What do we mean by battlespace?
- Where does Cyber Fit in the War-fighting Domain?
- What is threatscape?
- What are the challenges for fielding systems at the speed of need?
- What are the three functions under CNO. Explain in detail the purpose of each.
- Discuss U.S. Doctrine and purpose of INFOCON.
- What does a Cyber Warrior look like?
- How are the physical and logical realms connected? What types of tools can an adversary use to conduct Cyber Conflict?
- How does the military approach social engineering? Discuss the different progressional phases. Provide examples of how HUMINT can lead to the extraction of information.
- Discuss the differences between reconnaissance, surveillance, and APT. How can HUMINT and OSINT be used to conduct activities. How do the three functions of CNO relate.
- How does Cyber warfare capabilities change the way conventional warfare is carried out? Cite examples of Proactive vs Reactive.
- Describe the attack process
- In computer Network Defense the goal is to protect security objectives such as Confidentiality, Integrity, and Availability. Describe the difference for each and provide examples. What is the most important security objective for the U.S. military? Is it more important to protect the system or the information?
- Does defense in depth work? Why or Why not?
- Should the U.S. government be using "the carrot or the stick" to motivate industry? For example, should the government be provide rewards for proactive cyber defense or rule with regulations and penalties?

