1. What is cybersecurity?

Ans. Cybersecurity is the practice of protecting critical systems and sensitive information from digital attacks. Also known as information technology (IT) security, cybersecurity measures are designed to combat threats against networked systems and applications, whether those threats originate from inside or outside of an organization.

2. What are the elements of cybersecurity?

Ans. Cloud Security, Perimeter Security, Network Security, Endpoint Security, Application Security, Data Security.

3. What are the advantages of cyber security?

Ans. Cybersecurity is critical because it helps to protect organizations and individuals from cyber attacks. Cybersecurity can help to prevent data breaches, identity theft, and other types of cybercrime. Organizations must have strong cybersecurity measures to protect their data and customers.

4. Define Cryptography

Ans. Cryptography is the study of secure communications techniques that allow only the sender and intended recipient of a message to view its contents.

5. Differentiate between IDS and IPS

Ans. An IDS system exists to alert IT personnel and other stakeholders about potential suspicious events. It does not block any traffic or provide protection itself. A firewall is a complementary technology, since it blocks activity originating from known suspicious IP addresses or entities.