

## **UNIT 10: WEB SECURITY THREATS AND APPROACHES**

1. List three approaches to secure user authentication in a distributed environment.
2. Briefly explain web security threats

**OR**

Which types of security threats are faced by user while using the web?

3. Discuss SSL architecture in brief.
4. Consider the scenario where user A wants to send bulk data (data is in GBs) to user B using networking. Data exchange has to be done in confidential manner. The key which is used for encryption can be intercepted by an attacker. Which is the most efficient and protected way to achieve secure communication? Justify your answer in detail.
5. What is SSL? Which security services does it offer? How does it work?
6. What is SSH? How does SSH works?
7. For what purpose Secure Shell(SSH) is useful? Briefly define SSH protocol
8. Which two methods are used to frustrate statistical cryptanalysis?
9. Why Transport Layer Security makes use of a pseudo random function?
10. Define the parameters that define SSL session state and session connection.

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