

Assignments will be submitted in PDF format via Canvas.

Please submit your homework online through Canvas. Late homework will not be accepted.

Important: Your submission must be in .pdf format ONLY!

Please ensure that you support all your answers with the correct screenshots showing your solutions.

1. List and briefly define two IEEE 802.11 services
 - a. Station Services – services that provide functions across various stations
 - b. Distribution System Services – provides functionality across a distribution system

2. Identify a security flaw that appears in 2G and 3G networks

A security flaw that appears in 2G and 3G networks is the SS7 protocol.

3. List and briefly define three cloud service models
 - a. IaaS – Infrastructure as a service that provides virtual resources through its services
 - b. PaaS – third party provider gives hardware and software tools through its services
 - c. SaaS – software licensing is being provided through its services
4. Describe two of the main cloud-specific threats
 - a. Malicious Insiders – the organization loses total control of security due to insider information
 - b. Data Loss – happens when attackers use stolen credentials to access key areas of cloud services compromising integrity and confidentiality
5. What is OpenStack?
 - a. OpenStack is an open source platform that uses virtual resources to build and maintain the architecture and service of private and public clouds
6. What is MiniSec?
 - a. MiniSec is a secure network layer that contains low energy consumption and high security