

**Class test 02**  
**CSE 423**  
**Information Security**  
**Mark 15 Time 30**

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1. E-corporation had a difficult year in 2023 since they were the target of numerous cyberattacks that seriously damaged their finances, reputation, and social standing. The majority of unmanaged hazards and disregarded dangers materialized, exposing the information system to many cyberattacks from various local and foreign parties. Today, Mr. Elliott—a new security expert who was specifically engaged by the CTO—suggested that the firewall rules be revised and that IPS be added to the existing firewall. Additionally, he requested that Mr. Khan and the senior staff make sure that all employees' personal computers, antivirus software, and security updates are always up to date.
  - a. Can IDS be used as a replacement for a firewall? (3)
  - b. What are the advantages of IPS over IDS. (3)
  - c. Define honeypot. Where can you place honeypot in your network? (3)
  - d. Discuss and Evaluate IoT Security Risks and its Security Controls. (6)