

KEAMANAN SISTEM INFORMASI

Final Exam: Cyber Threat Management



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KELAS SIB - 4C

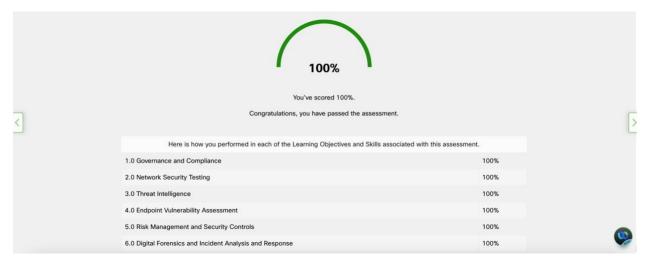
PROGRAM STUDI D-IV SISTEM INFORMASI BISNIS JURUSAN TEKNOLOGI INFORMASI POLITEKNIK NEGERI MALANG

Jl. Soekarno Hatta No.9, Jatimulyo, Kec, Lowokwaru, Kota Malang, Jawa Timur

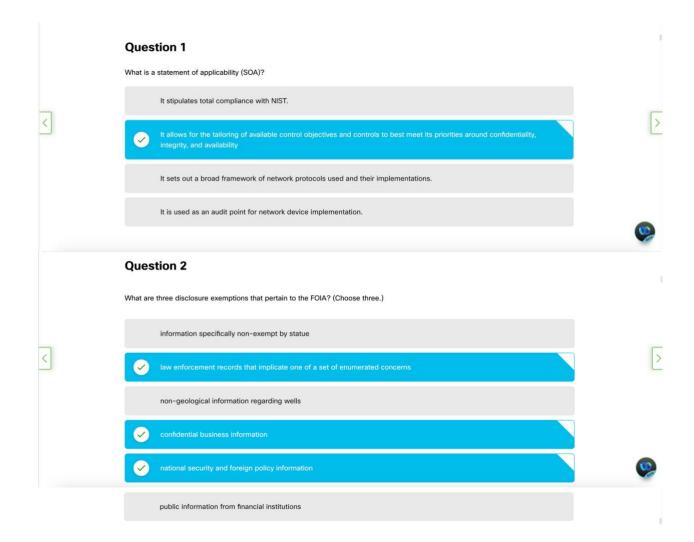
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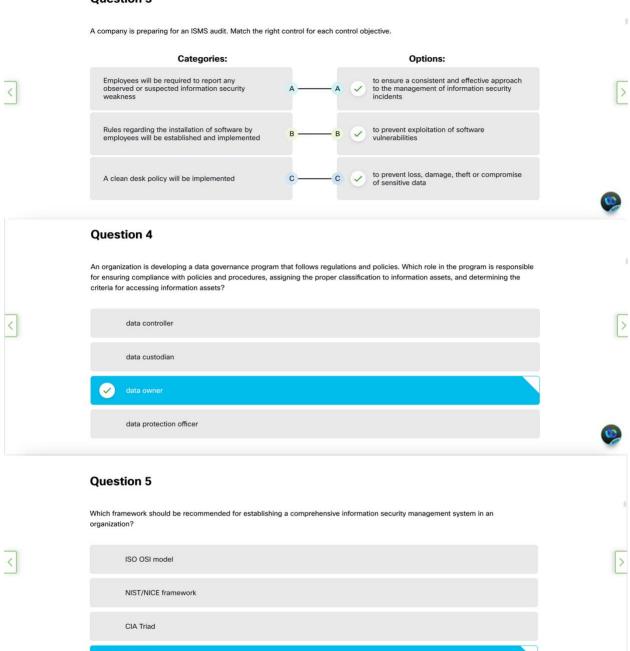
Final Exam: Cyber Threat Management (Result)



Final Exam: Cyber Threat Management







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Question 6

Match the network security testing tool with the correct function. (Not all options are used.)

Categories:

Used to scan systems for software vulnerabilities

Used for Layer 3 port scanning

Used to assess if network devices are compliant with network security policies

Options:

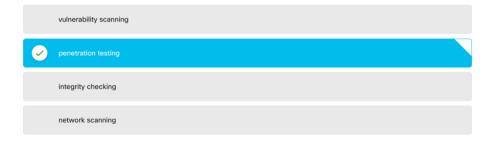
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Tripwire

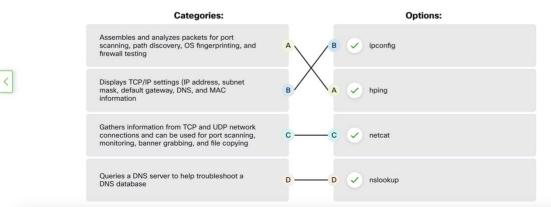
Question 7

What type of security test uses simulated attacks to determine possible consequences of a real threat?

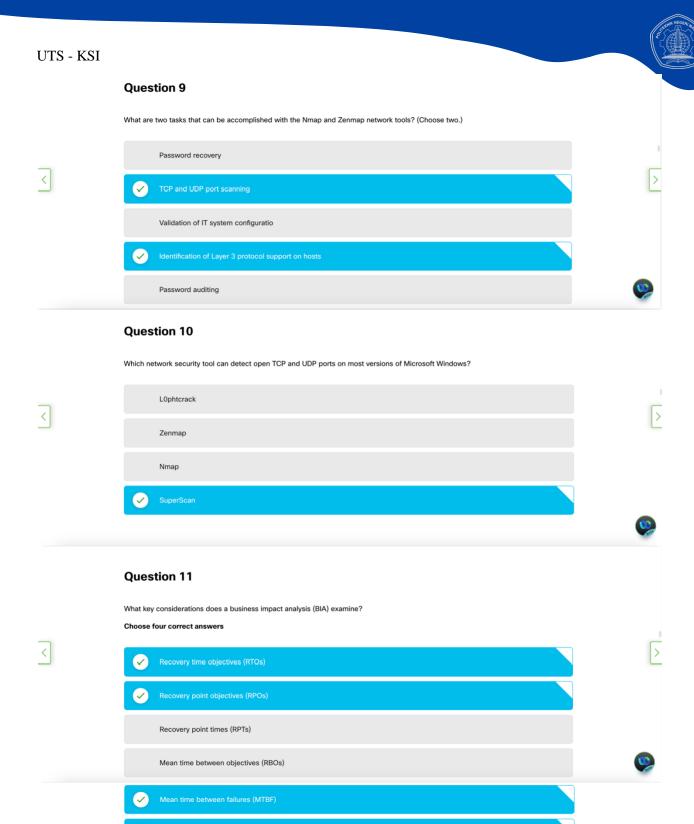


Question 8

Match the command line tool with its description.

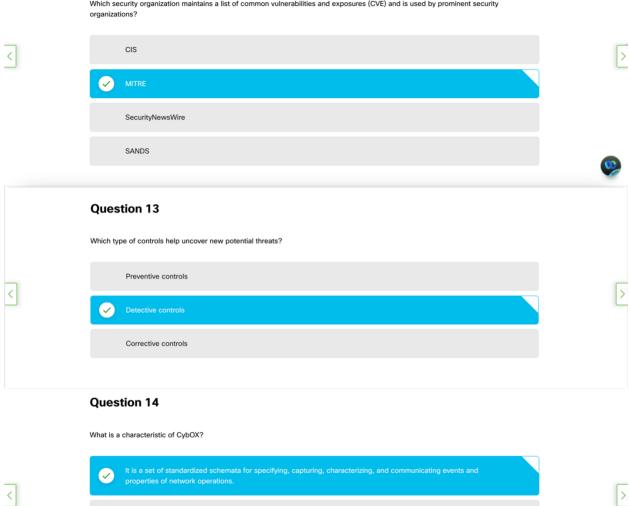








Which security organization maintains a list of common vulnerabilities and exposures (CVE) and is used by prominent security organizations?



It enables the real-time exchange of cyberthreat indicators between the U.S. Federal Government and the private sector. It is the specification for an application layer protocol that allows the communication of CTI over HTTPS. It is a set of specifications for exchanging cyberthreat information between organizations.





Question 15 What three security tools does Cisco Talos maintain security incident detection rule sets for? (Choose three.) ✓ ClamAV NetStumbler **Question 16** Which step in the Vulnerability Management Life Cycle performs inventory of all assets across the network and identifies host details, including operating system and open services? prioritize assets ✓ discover assess remediate **Question 17** A network administrator is creating a network profile to generate a network baseline. What is included in the critical asset address space







Which class of metric in the CVSS Base Metric Group defines the features of the exploit such as the vector, complexity, and user interaction required by the exploit?

Exploit Code Maturity

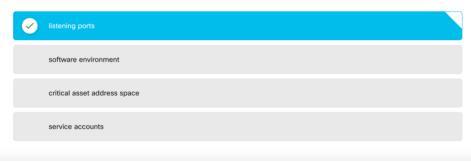
Exploitability

Modified Base

Impact

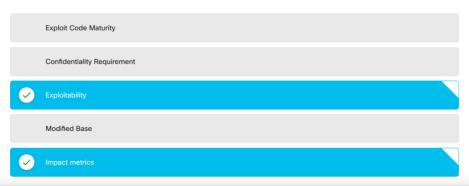
Question 19

When a server profile for an organization is being established, which element describes the TCP and UDP daemons and ports that are allowed to be open on the server?



Question 20

Which two classes of metrics are included in the CVSS Base Metric Group? (Choose two.)





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Question 21 What is the first step taken in risk assessment? Perform audits to verify threats are eliminated. Establish a baseline to indicate risk before security controls are implemented. Compare to any ongoing risk assessment as a means of evaluating risk management effectiveness. **Question 22** The manager of a new data center requisitions magnetic door locks. The locks will require employees to swipe an ID card to open. Which type of security control is being implemented? compensative recovery corrective **Question 23** Your risk manager just distributed a chart that uses three colors to identify the level of threat to key assets in the information security systems. Red represents high level of risk, yellow represents average level of threat and green represents low level of threat. What type of risk analysis does this chart represent? loss analysis quantitative analysis

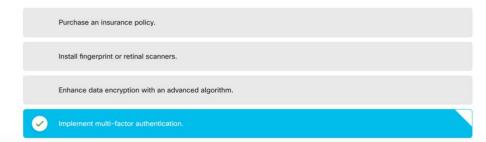
exposure factor analysis



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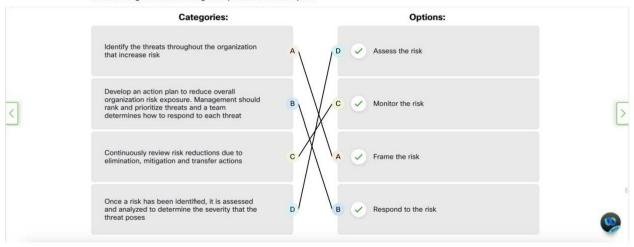
Question 24

A company manages sensitive customer data for multiple clients. The current authentication mechanism to access the database is username and passphrase. The company is reviewing the risk of employee credential compromise that may lead to a data breach and decides to take action to mitigate the risk before further actions can be taken to eliminate the risk. Which action should the company take for now?



Question 25

Match the stages in the risk management process to the description.



Question 26

Why would threat actors prefer to use a zero-day attack in the Cyber Kill Chain weaponization phase?





legal department

Which type of evidence cannot prove an IT security fact on its own? corroborative > best hearsay **Question 28** A threat actor has identified the potential vulnerability of the web server of an organization and is building an attack. What will the threat actor possibly do to build an attack weapon? Create a point of persistence by adding services. > Collect credentials of the web server developers and administrators. Install a webshell on the web server for persistent access. **Question 29** According to NIST standards, which incident response stakeholder is responsible for coordinating an incident response with other stakeholders to minimize the damage of an incident? IT support > human resources

UTS - KSI



Question 30

To ensure that the chain of custody is maintained, what three items should be logged about evidence that is collected and analyzed after

