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Information Security (CS205)

Question: 1 (Marks: 1) Attempted Questions: 0 Total Questions: 31

An attack, in which attacker alters the system resources is called _____

Choices:

- Active attack
- Passive attack
- Direct attack
- Indirect attack

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Information Security (CS205)

Question: 2 (Marks: 1) Attempted Questions: 0 Total Questions: 31

"Students are not allowed to bring cell phones in exam hall." is an example of _____

Choices:

- Security policy
- Security control
- Security mechanism
- Security service

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Information Security (CS205)

Question: 3 **(Marks: 1)** **Attempted Questions: 0** **Total Questions: 31**

_____ are the three pillars of information security.

Choices:

- Confidentiality, integrity and availability
- People, process, and technology
- Preventive controls, detective controls, corrective controls
- Risk management, internal audit, incident management

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Information Security (CS205)

Question: 4 **(Marks: 1)** **Attempted Questions: 0** **Total Questions: 31**

Ransomware is_____.

Choices:

- type of hacker who acts as a criminal and steals information
- a type of attack that encrypts data on computers and servers
- a form of kidnapping being carried out recently for ransom
- freeware or opensource

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Information Security (CS205)

Question: 5 **(Marks: 1)** **Attempted Questions: 1** **Total Questions: 31**

NESSUS tool is used at _____ layer in information security transformation framework.

Choices:

- Security governance
- Security engineering
- Vulnerability management
- Security hardening

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Information Security (CS205)

Question: 6 **(Marks: 1)** **Attempted Questions: 1** **Total Questions: 31**

_____ means effective management of the security program.

Choices:

- Security hardening
- Security governance
- Vulnerability management
- Security engineering

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Information Security (CS205)

Question: 7 (Marks: 1) Attempted Questions: 1 Total Questions: 31

Which of the following will be considered the most specific standard/framework applicable only to a specific type of industry?

Choices:

- ISO27002:2013
- COBIT
- PCI-DSS
- ISO27001:2013

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Information Security (CS205)

Question: 8 (Marks: 1) Attempted Questions: 1 Total Questions: 31

Which of the following may be applied to any type of industry/company in which information technology is being used?

Choices:

- ISO27002:2013
- COBIT AND ISMS
- COBIT, ISMS, and PCI
- PCI-DSS and ISMS

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Information Security (CS205)

Question: 9 (Marks: 1) Attempted Questions: 1 Total Questions: 31

_____are the challenges of information security.

Choices:

- Lack of budget & insufficient resource allocation
- Highly specialized and continuously changing technology
- Cloud and IoT
- Lack of ownership, department silos, missing security hardening

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Information Security (CS205)

Question: 10 (Marks: 1) Attempted Questions: 1 Total Questions: 31

There are _____main steps in information security life cycle.

Choices:

- 6
- 7
- 9
- 11

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Information Security (CS205)

Question: 11 (Marks: 1) Attempted Questions: 1 Total Questions: 31

Regionally, the most well developed cyber security strategy and framework developed by Malaysia is at rank_____

Choices:

1

2

3

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4

Information Security (CS205)

Question: 12 (Marks: 1) Attempted Questions: 1 Total Questions: 31

_____ is prevention of the unauthorized use of a resource

Choices:

Access control

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Data integrity

Non-repudiation

Availability

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Information Security (CS205)

Question: 13 (Marks: 1) Attempted Questions: 2 Total Questions: 31

The next-generation firewall should be placed at_____.

Choices:

- Inside the data center
- Wherever it is physically secure
- Inside the DMZ
- At the network perimeter and at the entrance to the data center

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Information Security (CS205)

Question: 14 (Marks: 1) Attempted Questions: 3 Total Questions: 31

Major security functions performed by the perimeter NGN firewall are _____.

Choices:

- Web security and email security
- Malware filtering, access lists for traffic filtering, bandwidth filtering
- Wan interfaces
- Apt attack prevention

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Information Security (CS205)

Question: 15 (Marks: 1) Attempted Questions: 3 Total Questions: 31

The key challenge with mobile technology is that_____.

Choices:

- It is leading to wastage of time and distractions
- Traditional enterprise security perimeter and boundary has disappeared
- Location of the user can be tracked

NOT SURE

- Apps on the mobile devices may be Trojans

Information Security (CS205)

Question: 16 (Marks: 1) Attempted Questions: 4 Total Questions: 31

The recommended manner to protect sensitive data within a VM is to_____.

Choices:

- Encrypt data stored on workstations
- Encrypt data stored on virtual and cloud servers

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- Encrypt data stored on USB
- Encrypt data stored on file servers

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Information Security (CS205)

Question: 17 (Marks: 1) Attempted Questions: 5 Total Questions: 31

One of the main challenges in small-sized organizations related to security is_____.

Choices:

- Lack of a good data center
- Lack of budget and resources allocated for security
- Lack of security vendors
- Lack of security devices

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Information Security (CS205)

Question: 18 (Marks: 1) Attempted Questions: 5 Total Questions: 31

At which point a malicious entity/black hat hacker attacks for website defacement in an IT network?

Choices:

- Edge router or edge firewall
- Web server in DMZ
- Email gateway
- Datacenter switch

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Information Security (CS205)

Question: 19 (Marks: 1) Attempted Questions: 5 Total Questions: 31

How web and email can be secured against malware and attacks in an Enterprise IT network?

Choices:

- By blocking unauthorized traffic at edge
- By keeping a good and updated solution
- By using web security and email antispam gateway
- By using malware protection at edge

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Information Security (CS205)

Question: 20 (Marks: 1) Attempted Questions: 5 Total Questions: 31

_____ are the main phases/steps in a business continuity lifecycle.

Choices:

- Analysis, design, implementation and validation
- Identify, analyze, design, execute
- Identify, analyze, design, execute, measure
- Analyze, implementation and validation

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Information Security (CS205)

Question: 21 (Marks: 1) Attempted Questions: 6 Total Questions: 31

_____ enterpeises have their own vulnerability scanner

Choices:

90%

75%

50%

5%

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Information Security (CS205)

Question: 22 (Marks: 1) Attempted Questions: 6 Total Questions: 31

_____project sequence is followed in transformation projects

Choices:

Establish track, pilot, implement across IT

Pilot, implement across IT, continuous improvement

Establish track, MSB, pilot, implement across IT, continuous improvement

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Establish track, MSB, implement across IT

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Information Security (CS205)

Question: 23 (Marks: 1) Attempted Questions: 6 Total Questions: 31

_____ category has maximum number of CIS benchmarks.

Choices:

- Operating system
- Mobile devices
- Network devices
- Cloud providers

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Information Security (CS205)

Question: 24 (Marks: 1) Attempted Questions: 6 Total Questions: 31

_____category has minimum number of CIS benchmarks.

Choices:

- Multifunction print devices
- Mobile devices
- Network devices
- Cloud providers

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Information Security (CS205)

Question: 25 (Marks: 1) Attempted Questions: 6 Total Questions: 31

What does audit explain about control in CIS benchmark?

Choices:

- Describes the control
- Describe the benefit of implementing control
- Tells how to check the control
- Tells how to apply control

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Information Security (CS205)

Question: 26 (Marks: 1) Attempted Questions: 6 Total Questions: 31

According to applicability CIS divider controls in _____categories.

Choices:

- Level 1 & level 2
- Scored & un scored
- Cat 1, cat 2, cat 3
- High critical, low critical

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Information Security (CS205)

Question: 27 (Marks: 1) Attempted Questions: 6 Total Questions: 31

Frequency of updating the signature files of antivirus program must be set to_____.

Choices:

- Daily basis
- Weekly basis
- Fortnightly basis
- Monthly basis

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Information Security (CS205)

Question: 28 (Marks: 3) Attempted Questions: 7 Total Questions: 31

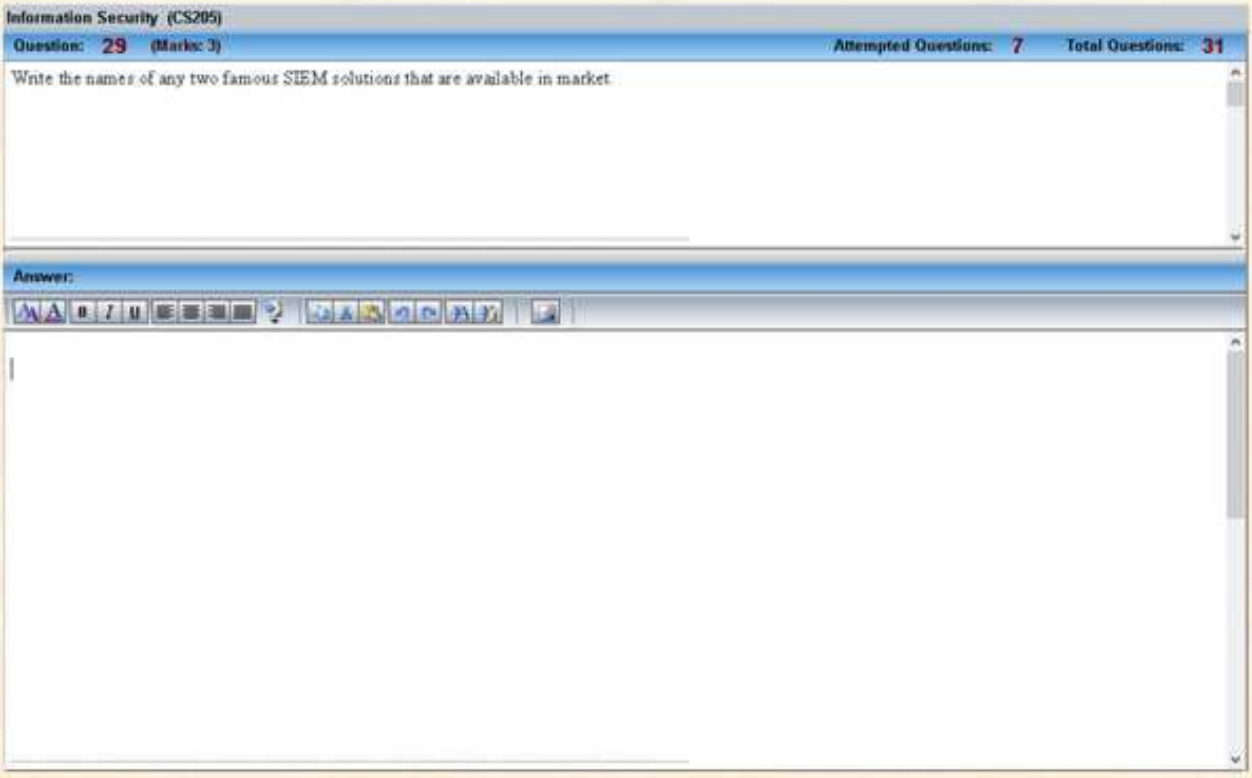
There are three main pillars related to implementation of information security. Mention the names.

Answer:

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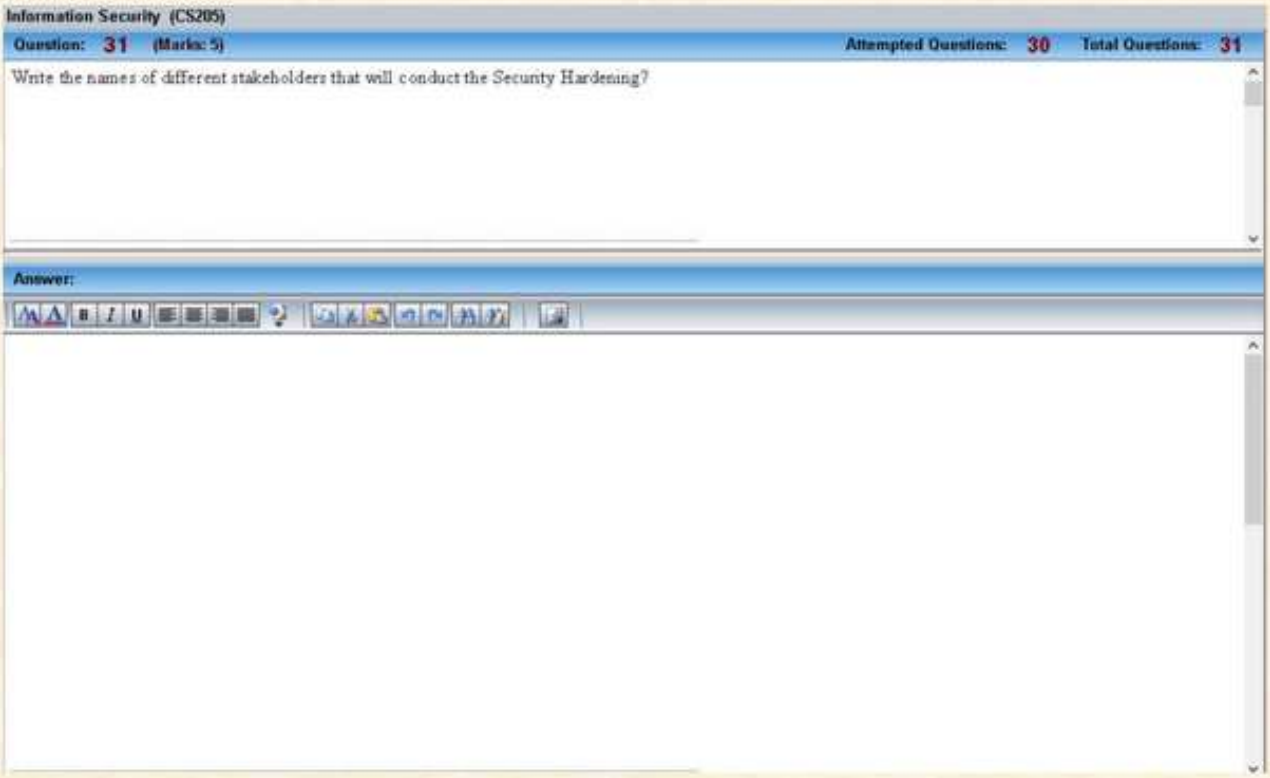
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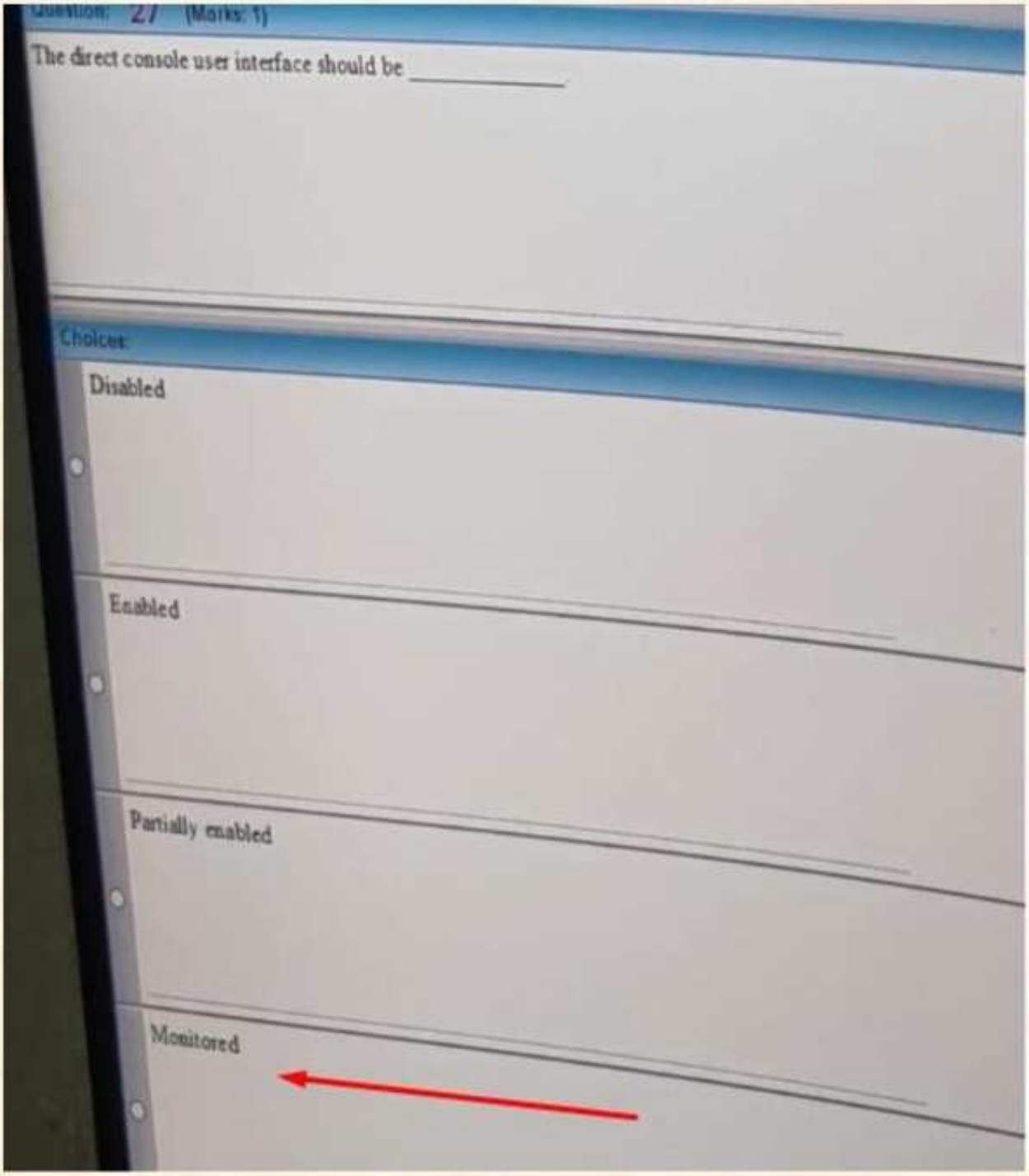


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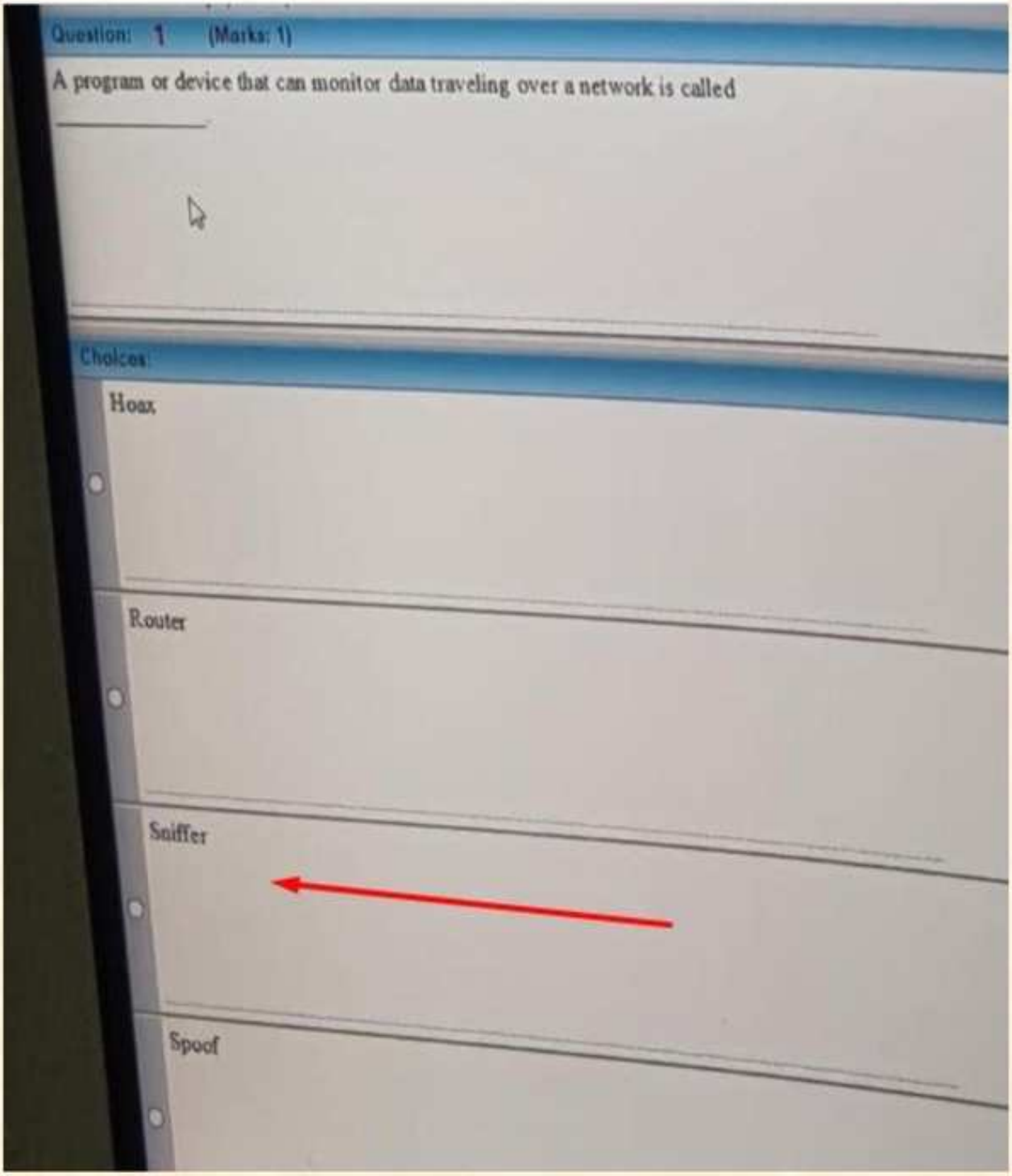
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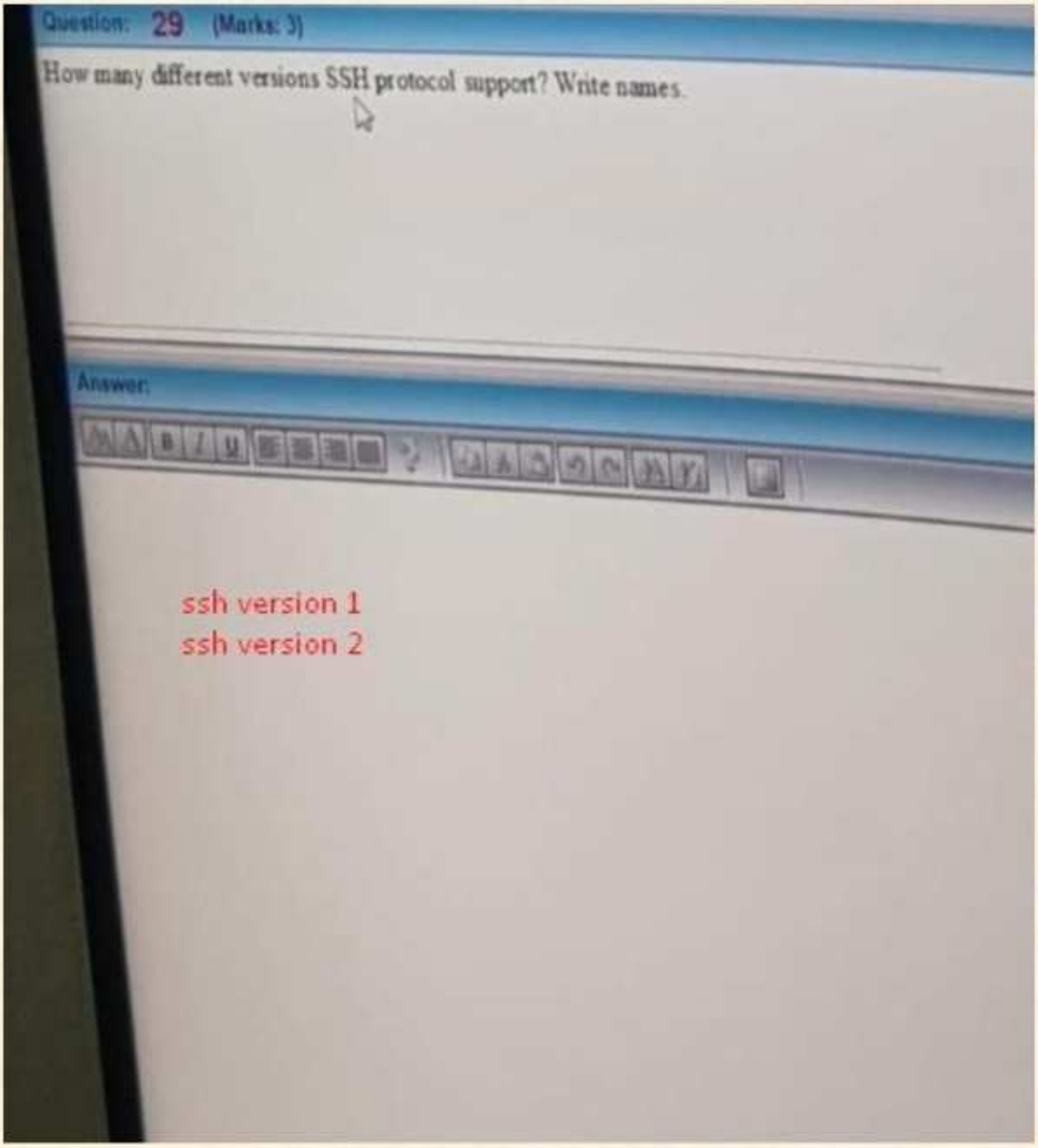
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Question: 27 (Marks: 1)
The direct console user interface should be _____
Choices:
Disabled
Enabled
Partially enabled
Monitored

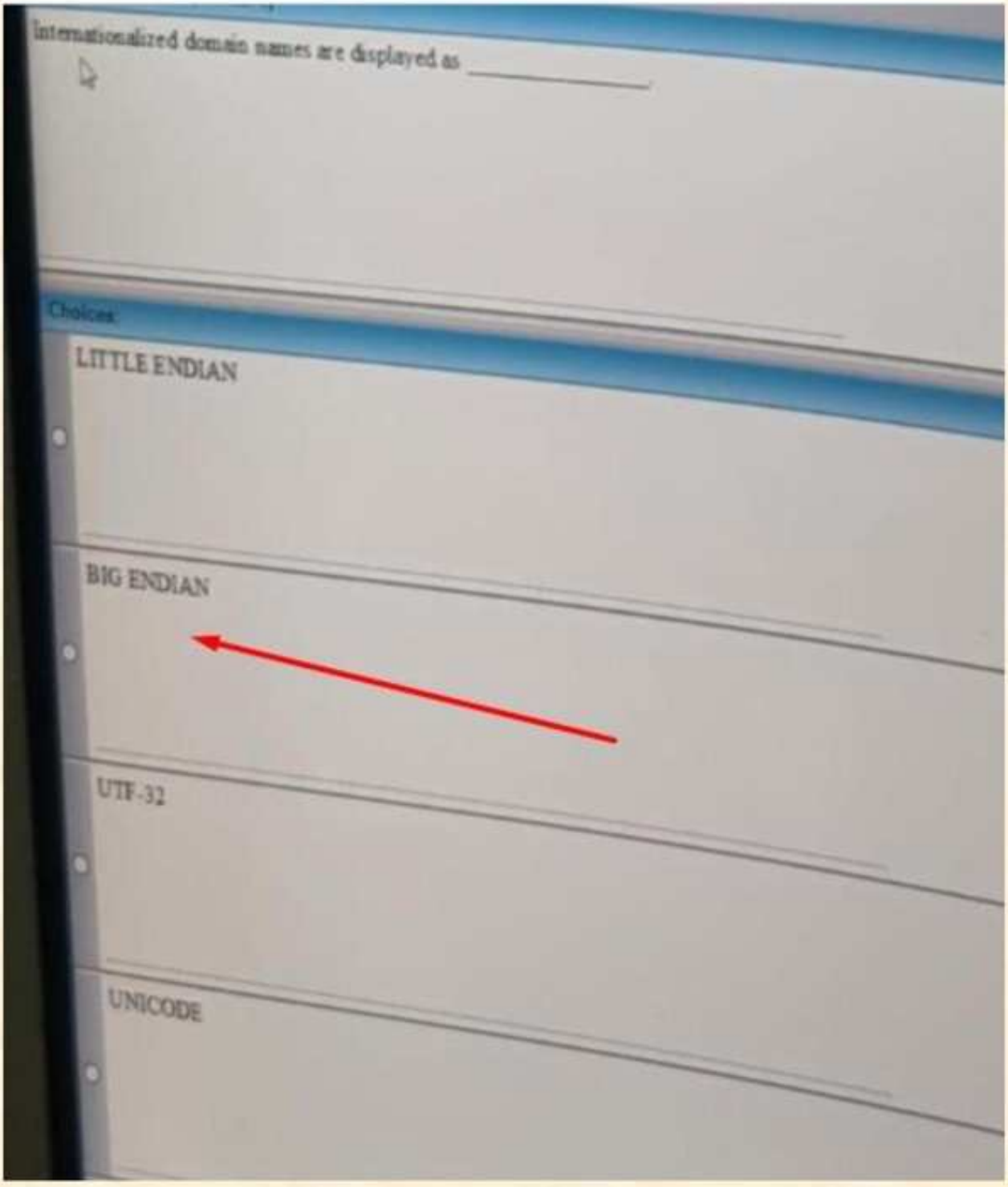
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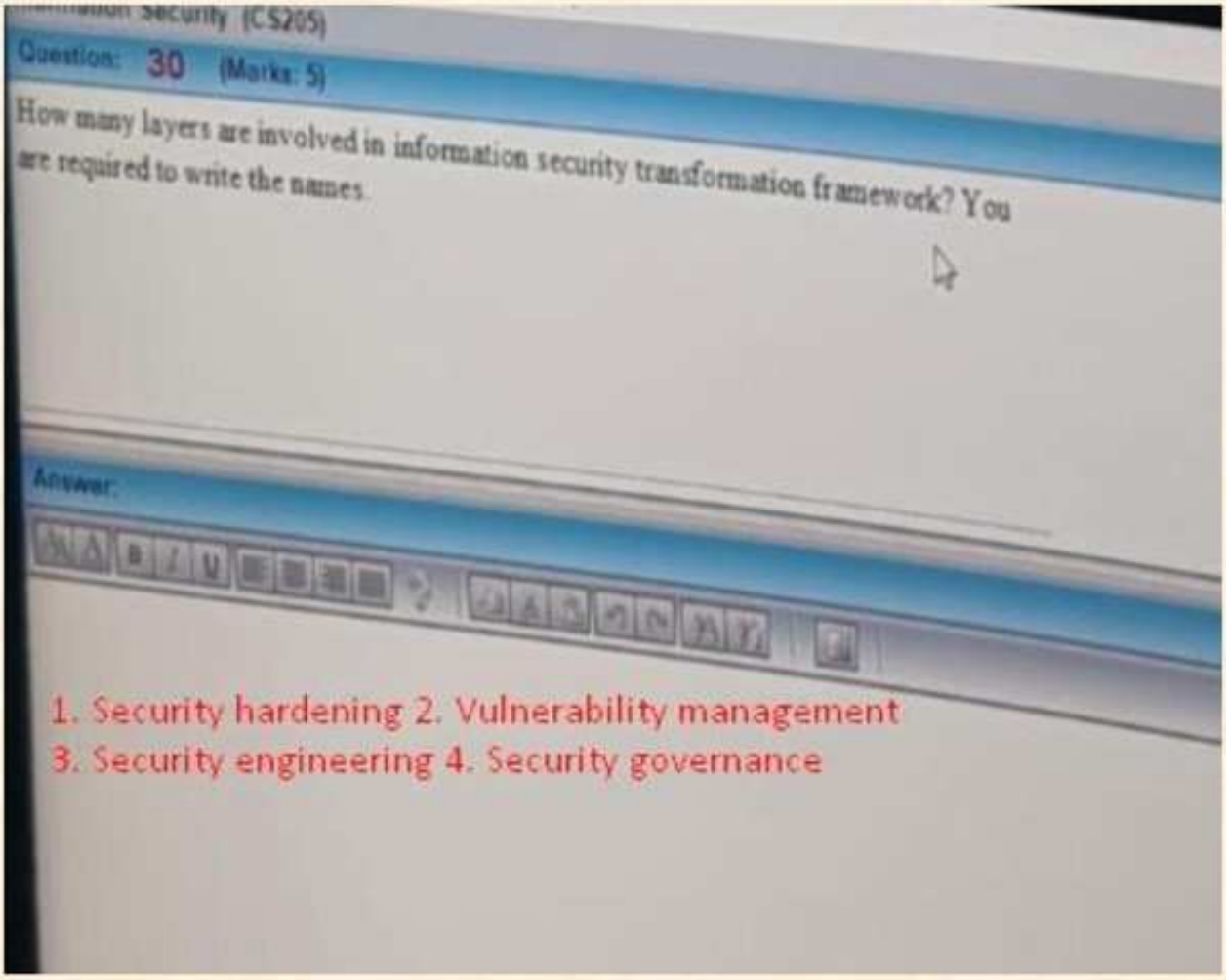
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Question: 29 (Marks: 3)
How many different versions SSH protocol support? Write names.
Answer:
ssh version 1
ssh version 2

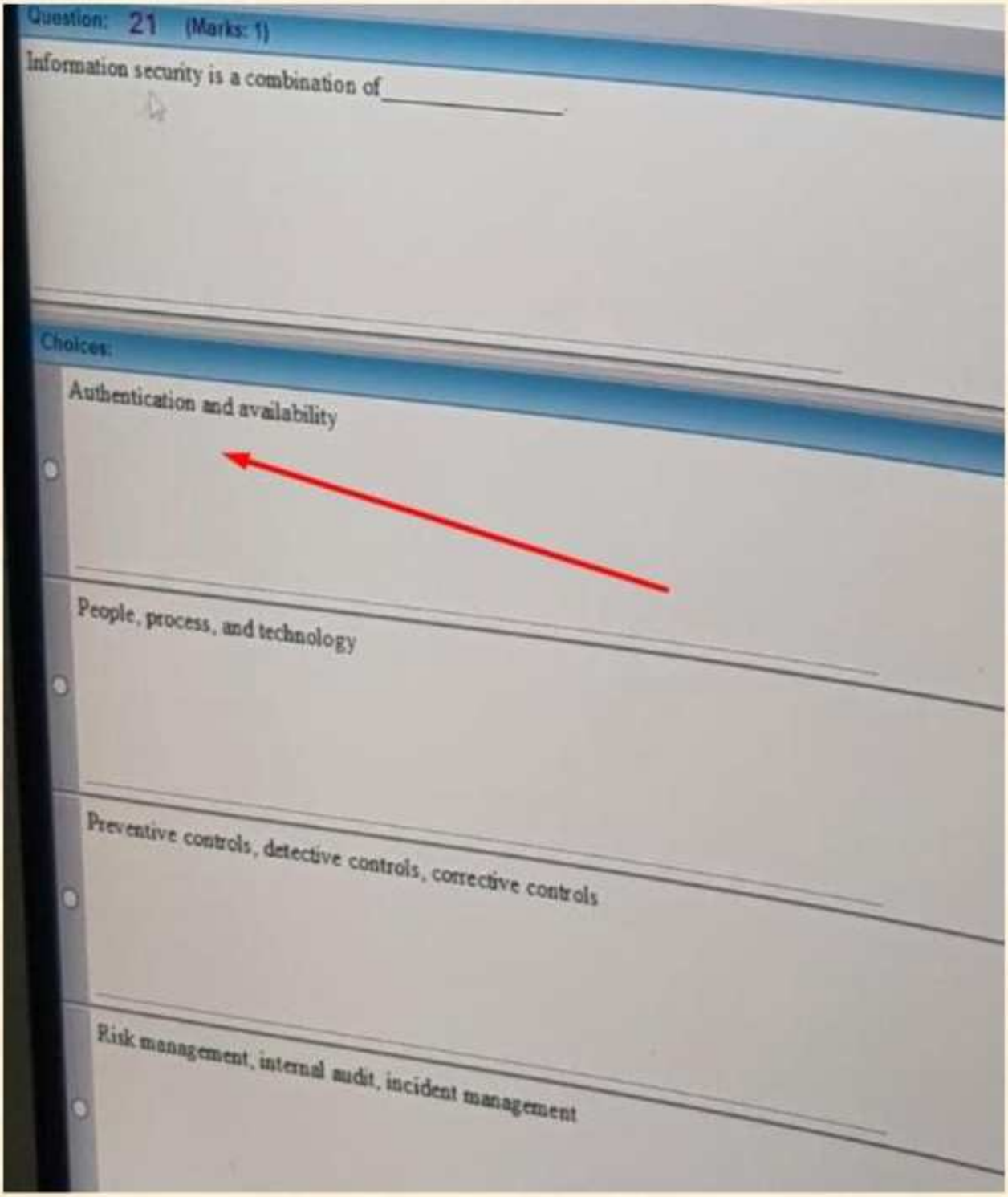
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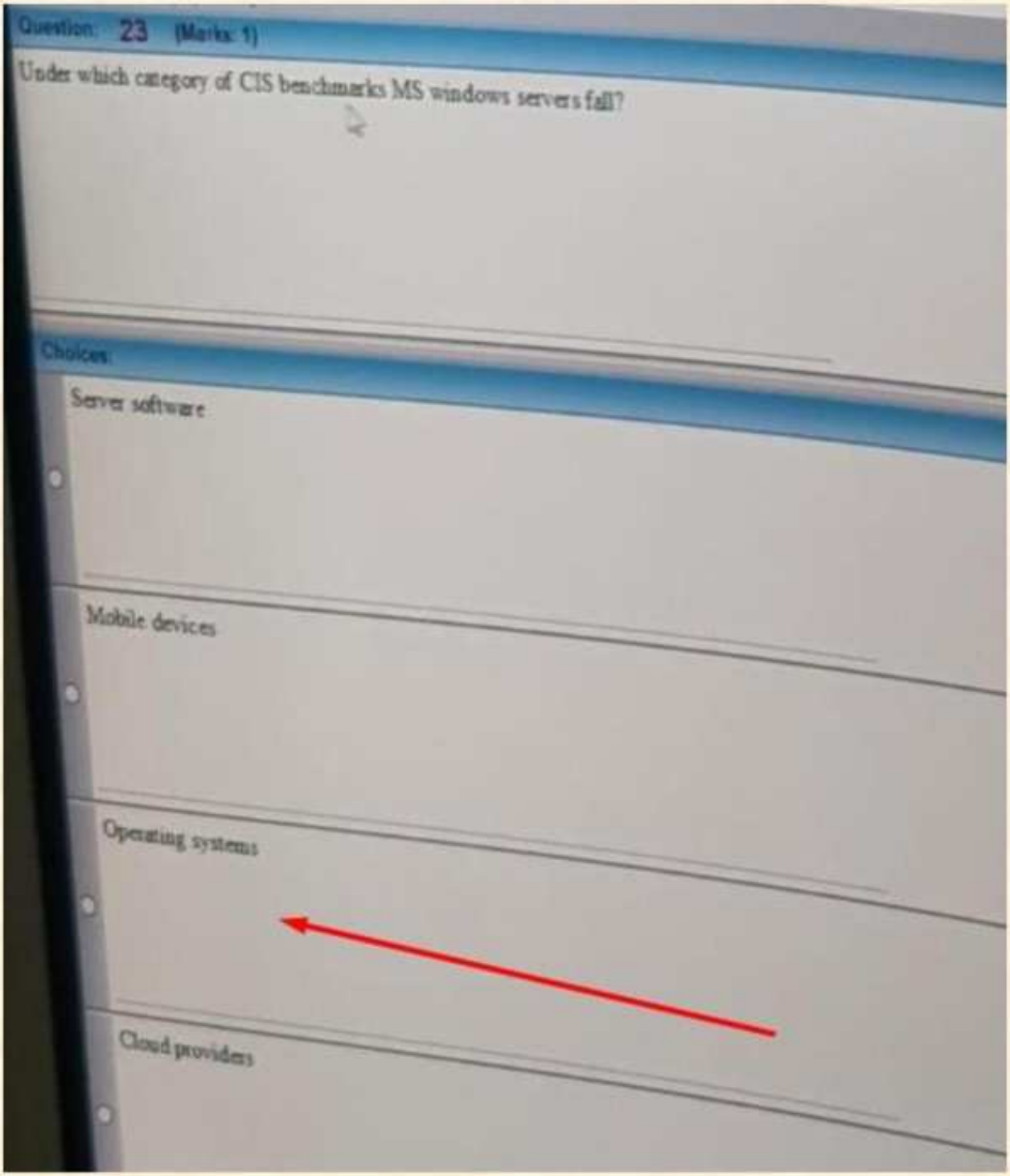

Security (CS205)
Question: 30 (Marks: 5)
How many layers are involved in information security transformation framework? You are required to write the names
Answer:
1. Security hardening 2. Vulnerability management
3. Security engineering 4. Security governance

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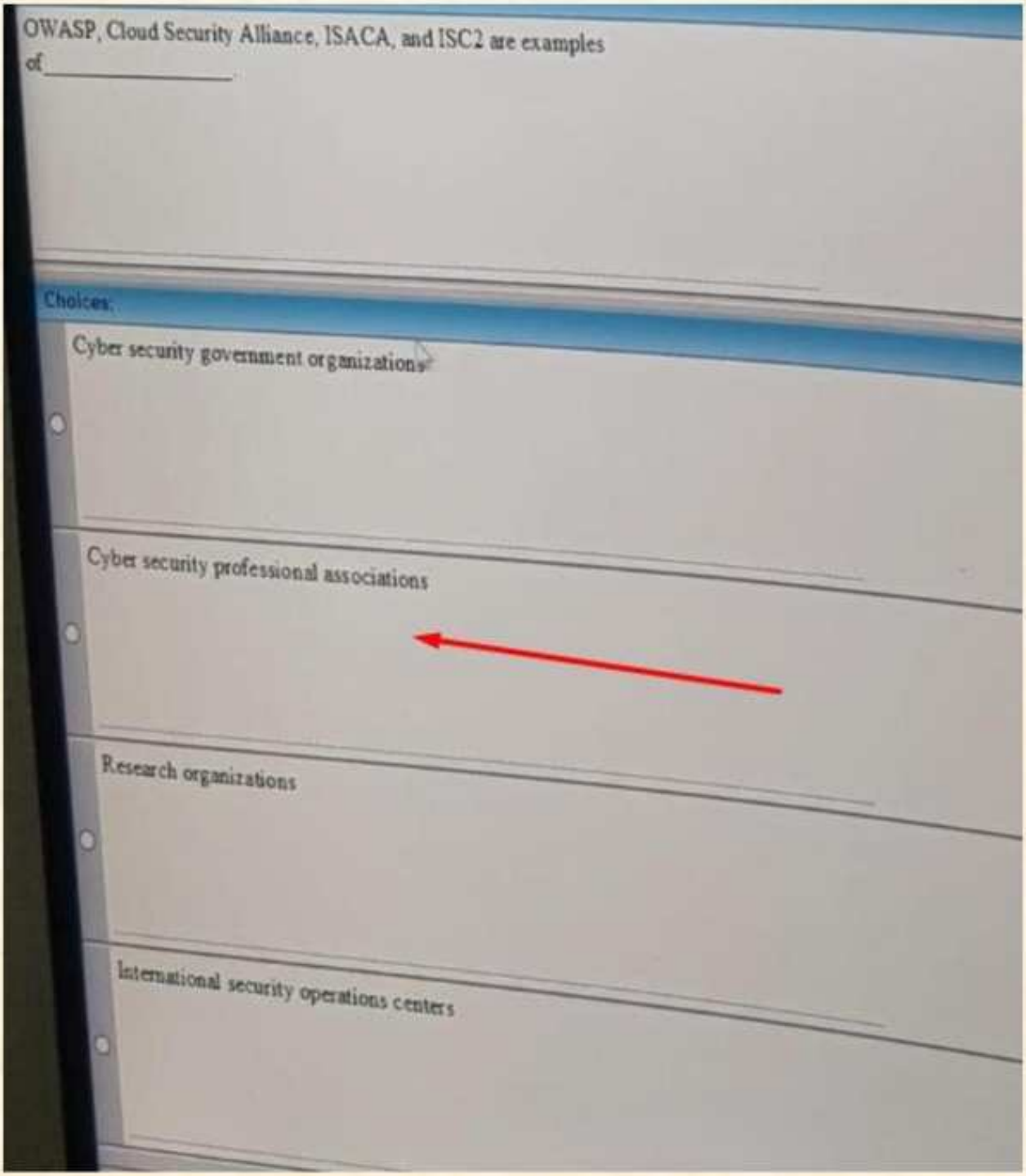


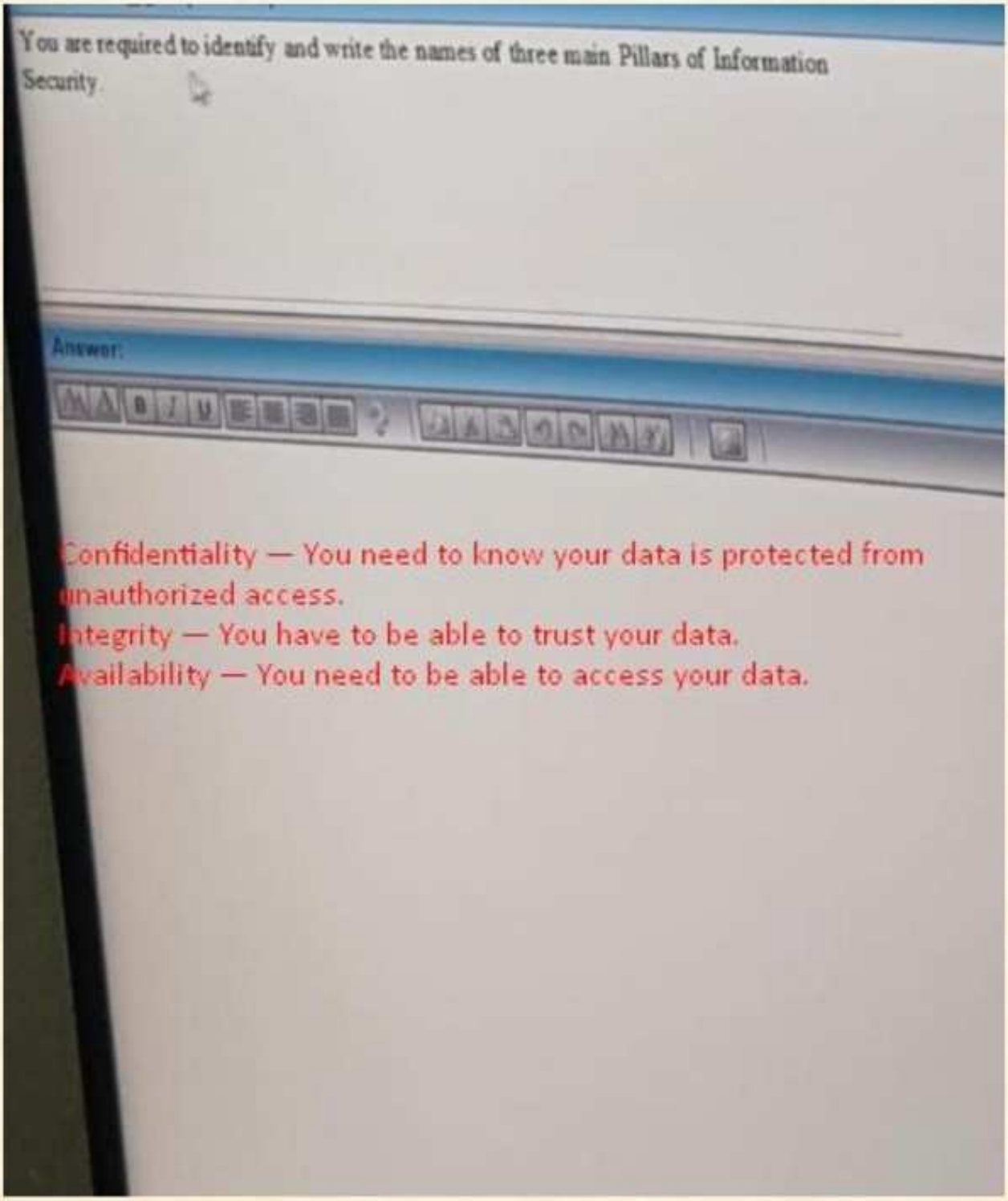
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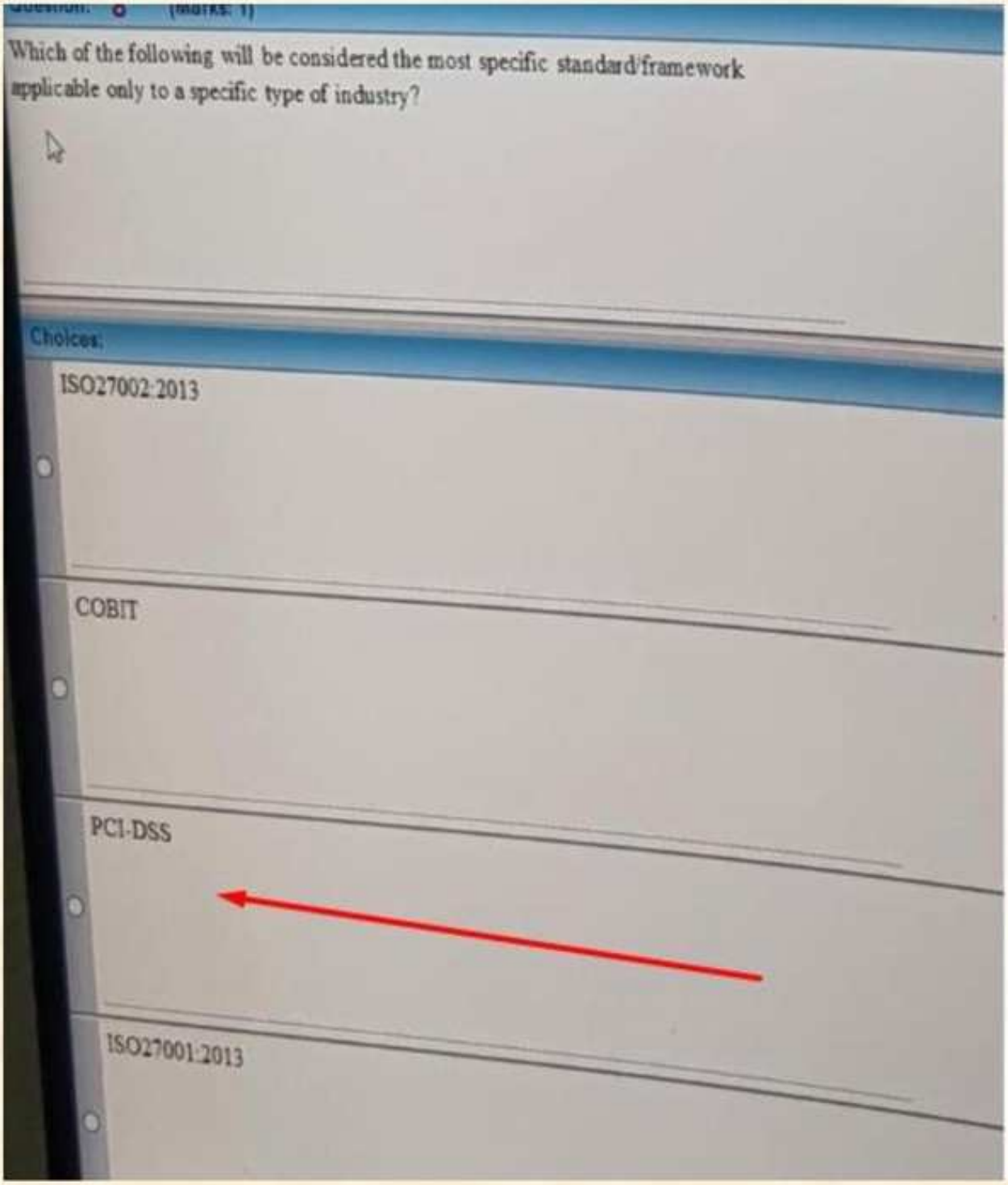
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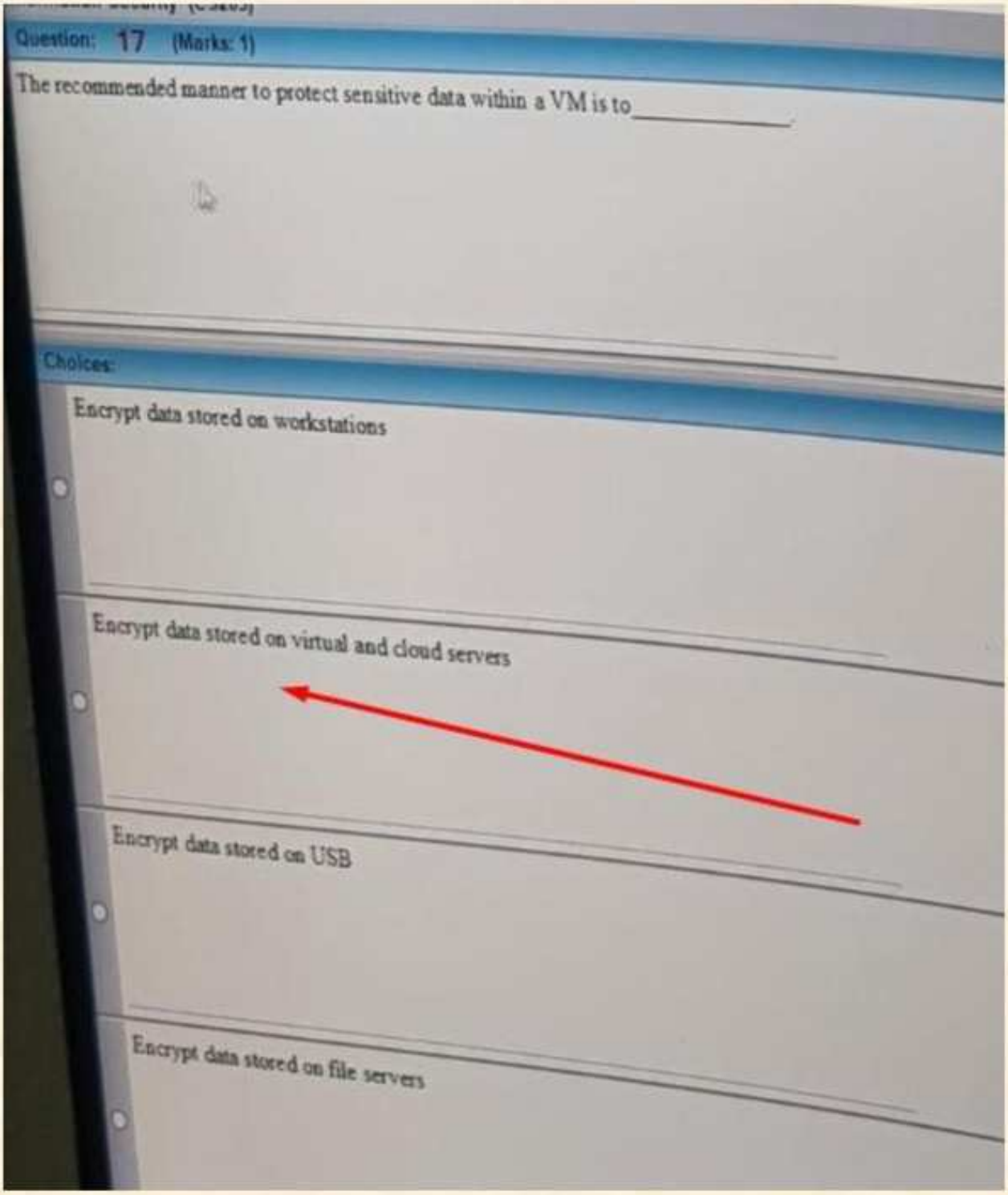
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OWASP, Cloud Security Alliance, ISACA, and ISC2 are examples of _____.
Choices:
Cyber security government organizations
Cyber security professional associations
Research organizations
International security operations centers

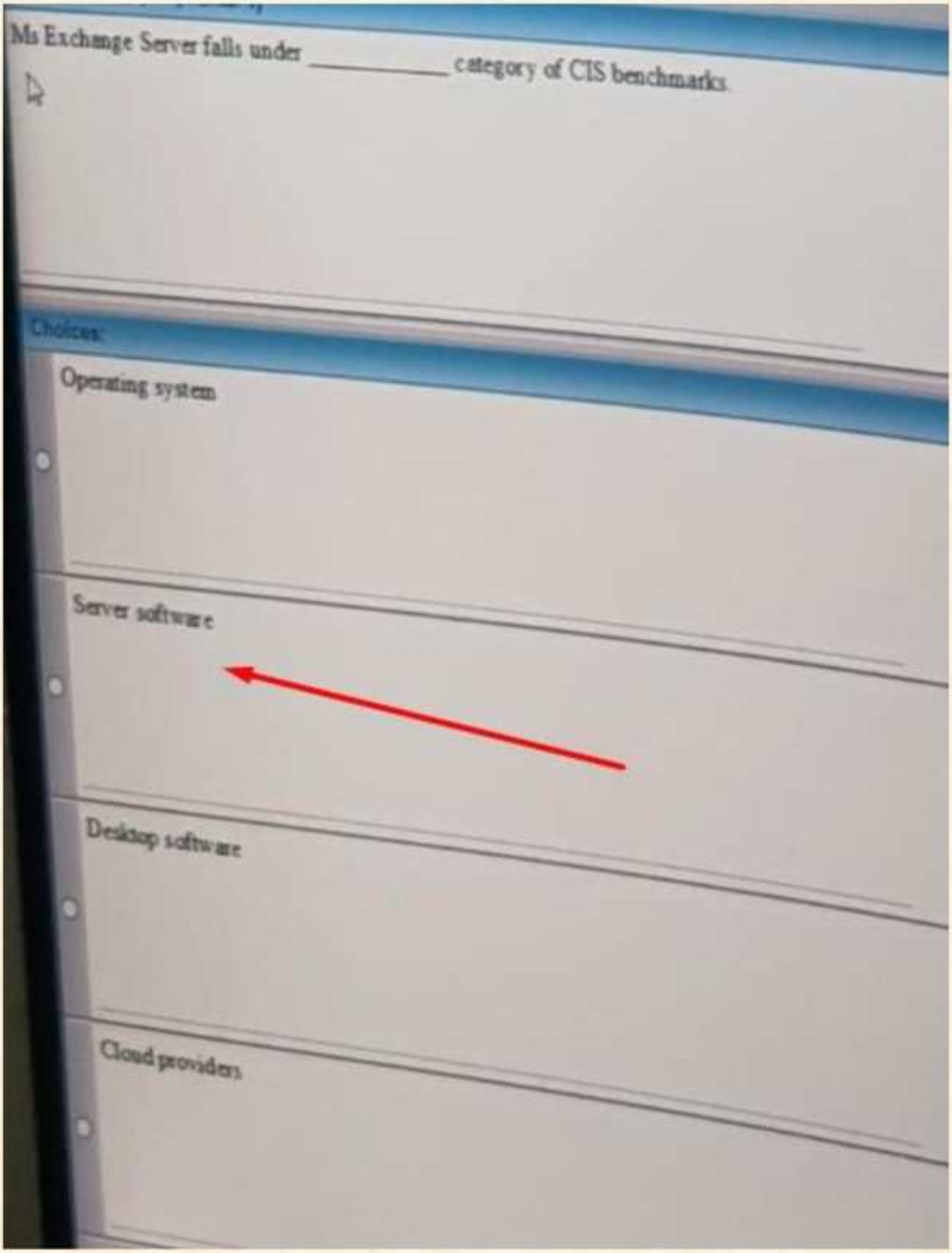

You are required to identify and write the names of three main Pillars of Information Security.
Answer:
Confidentiality — You need to know your data is protected from unauthorized access.
Integrity — You have to be able to trust your data.
Availability — You need to be able to access your data.

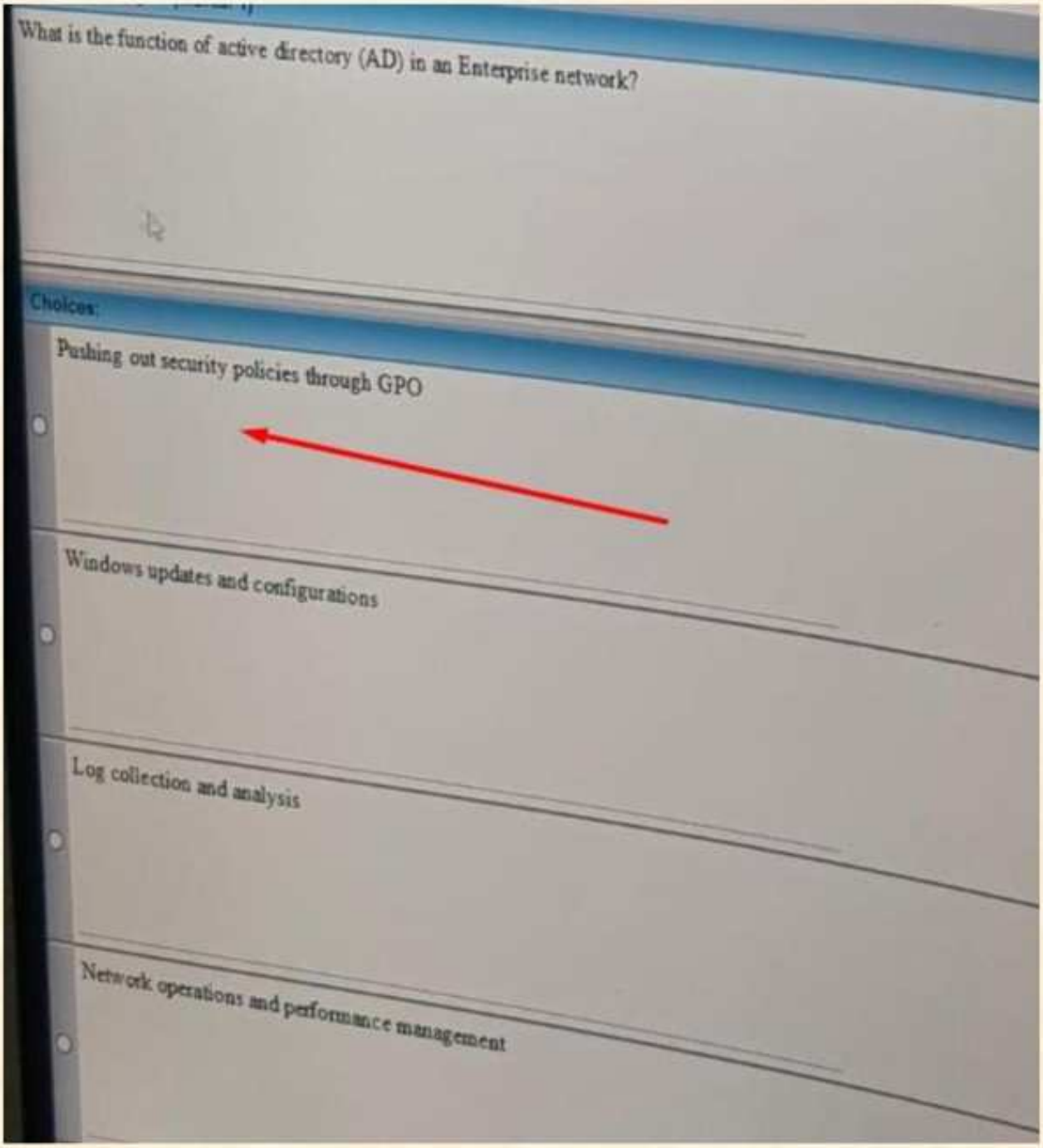

Which of the following will be considered the most specific standard/framework applicable only to a specific type of industry?
Choices:
ISO27002:2013
COBIT
PCI-DSS
ISO27001:2013

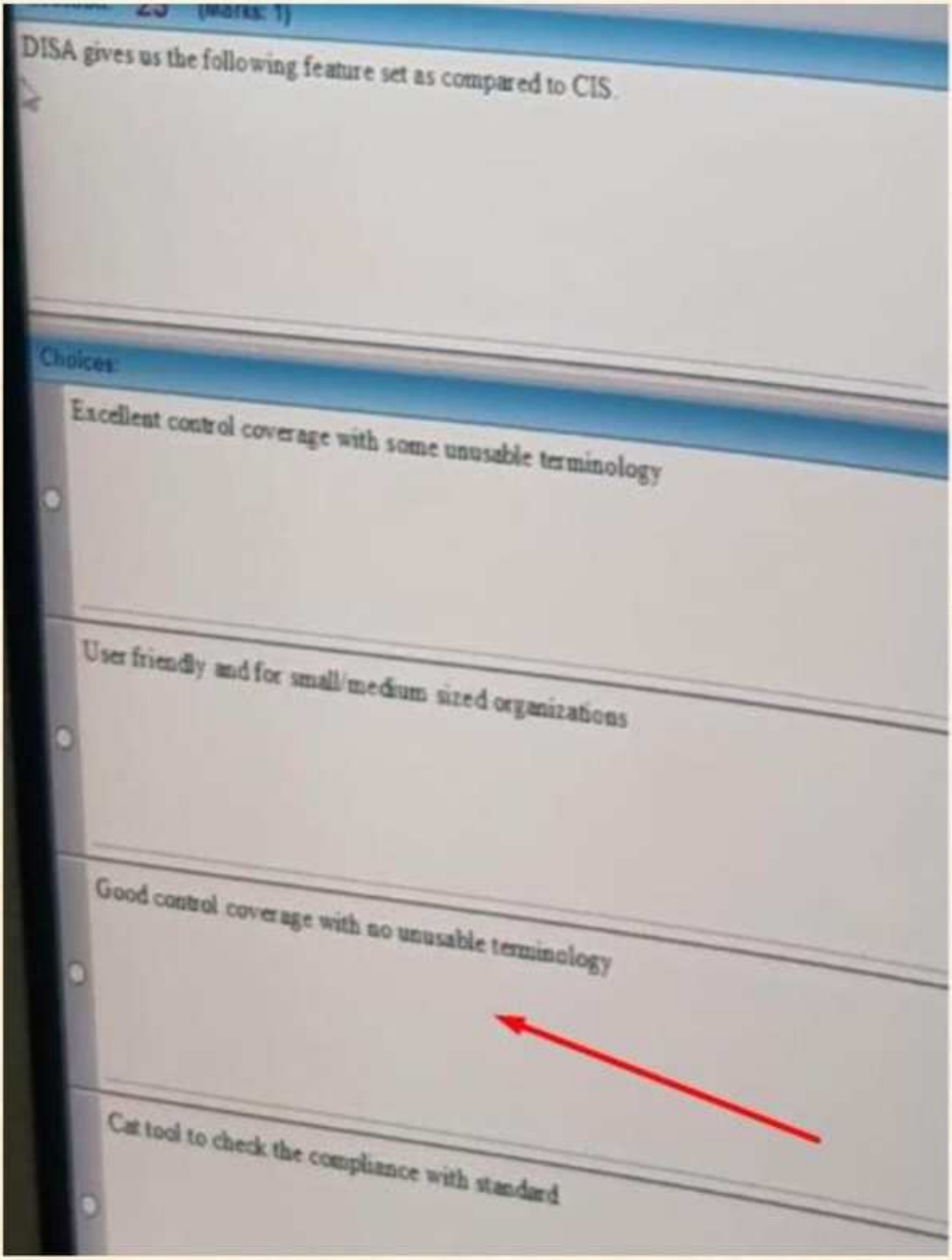
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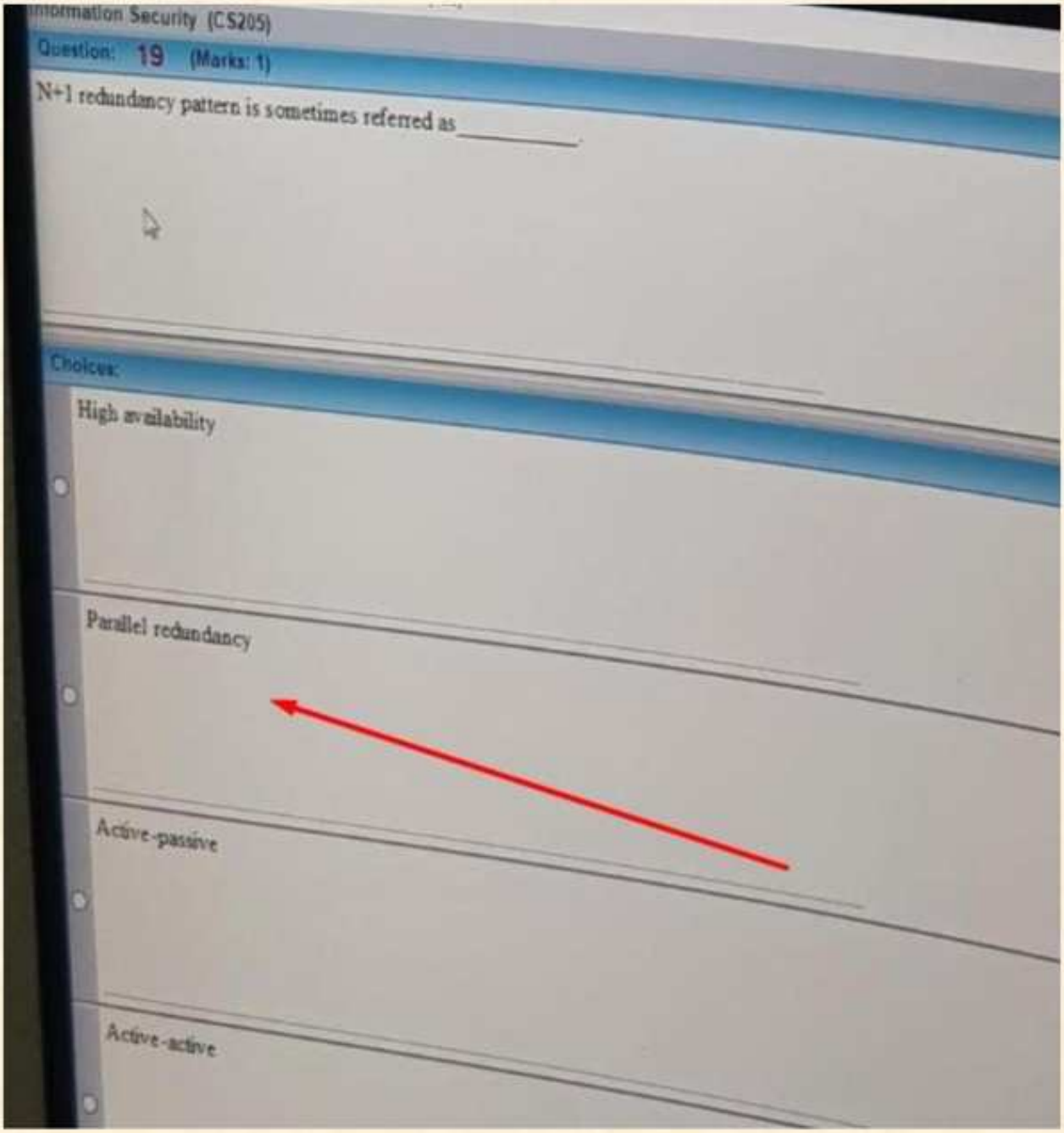
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Ms Exchange Server falls under _____ category of CIS benchmarks
Choices:
Operating system
Server software
Desktop software
Cloud providers

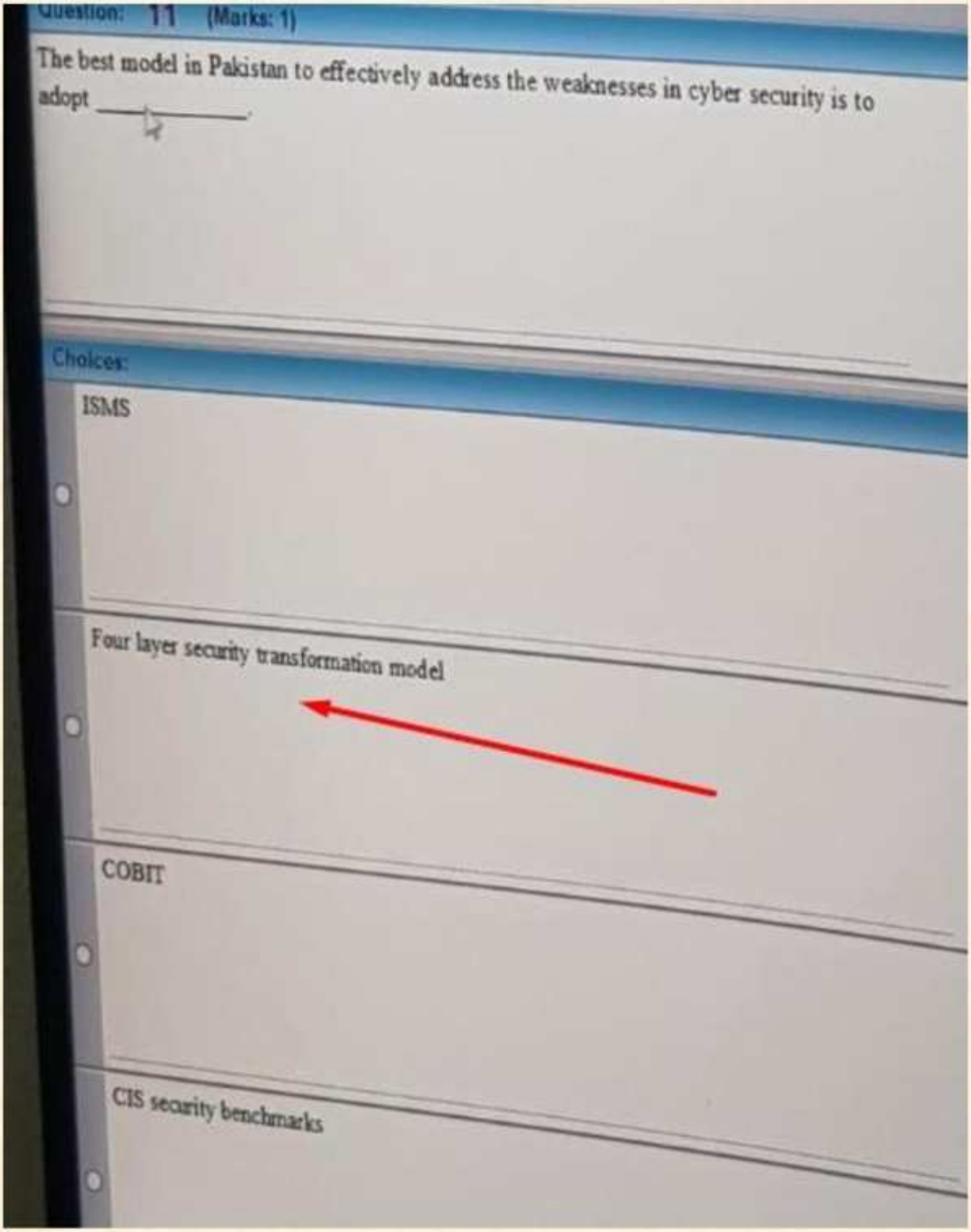

What is the function of active directory (AD) in an Enterprise network?
Choices:
Pushing out security policies through GPO
Windows updates and configurations
Log collection and analysis
Network operations and performance management

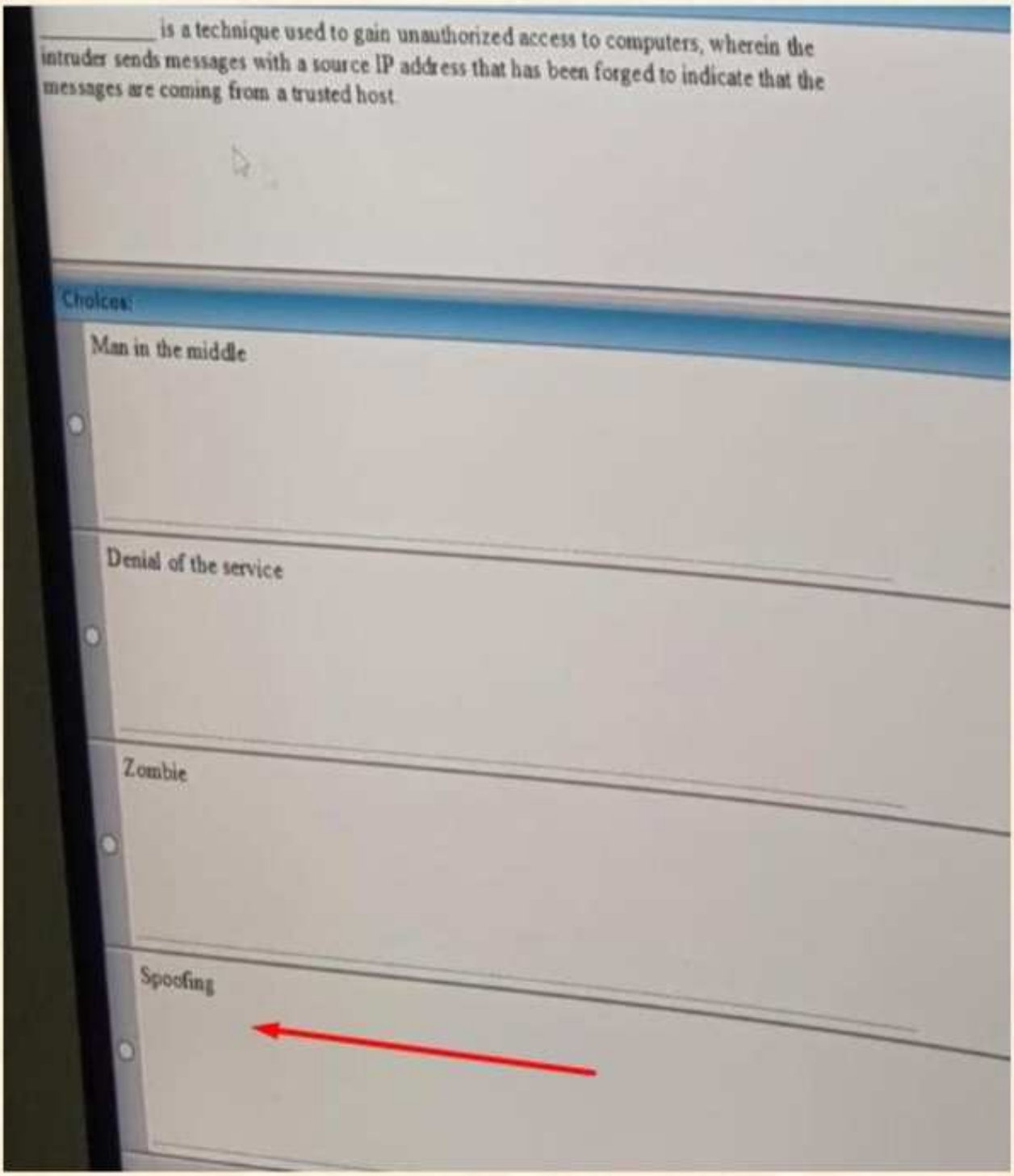

DISA gives us the following feature set as compared to CIS.
Choices:
Excellent control coverage with some unusable terminology
User friendly and for small/medium sized organizations
Good control coverage with no unusable terminology
Cat tool to check the compliance with standard

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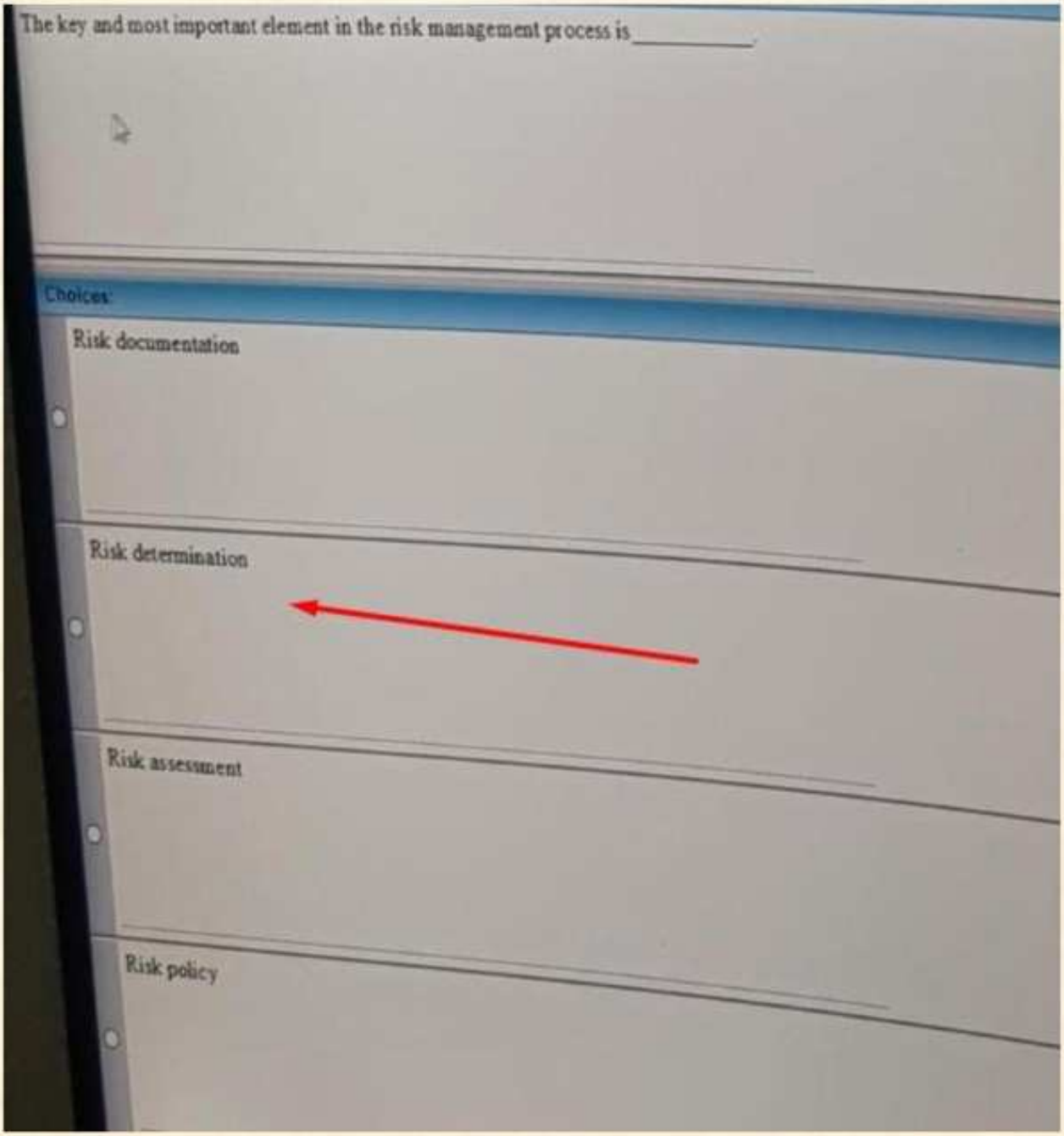


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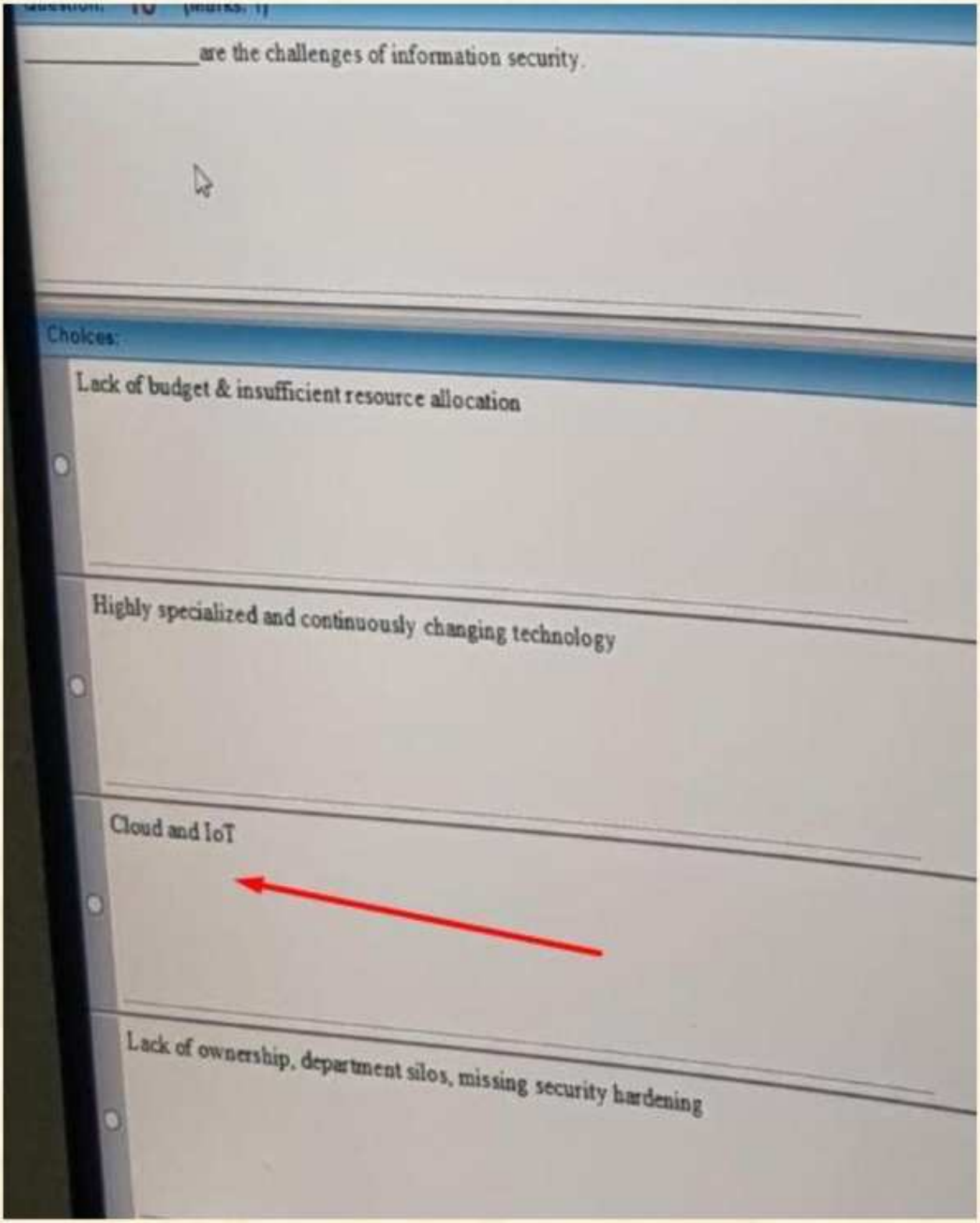

Question: 11 (Marks: 1)
The best model in Pakistan to effectively address the weaknesses in cyber security is to adopt _____.
Choices:
ISMS
Four layer security transformation model
COBIT
CIS security benchmarks


_____ is a technique used to gain unauthorized access to computers, wherein the intruder sends messages with a source IP address that has been forged to indicate that the messages are coming from a trusted host.
Choices:
Man in the middle
Denial of the service
Zombie
Spoofing

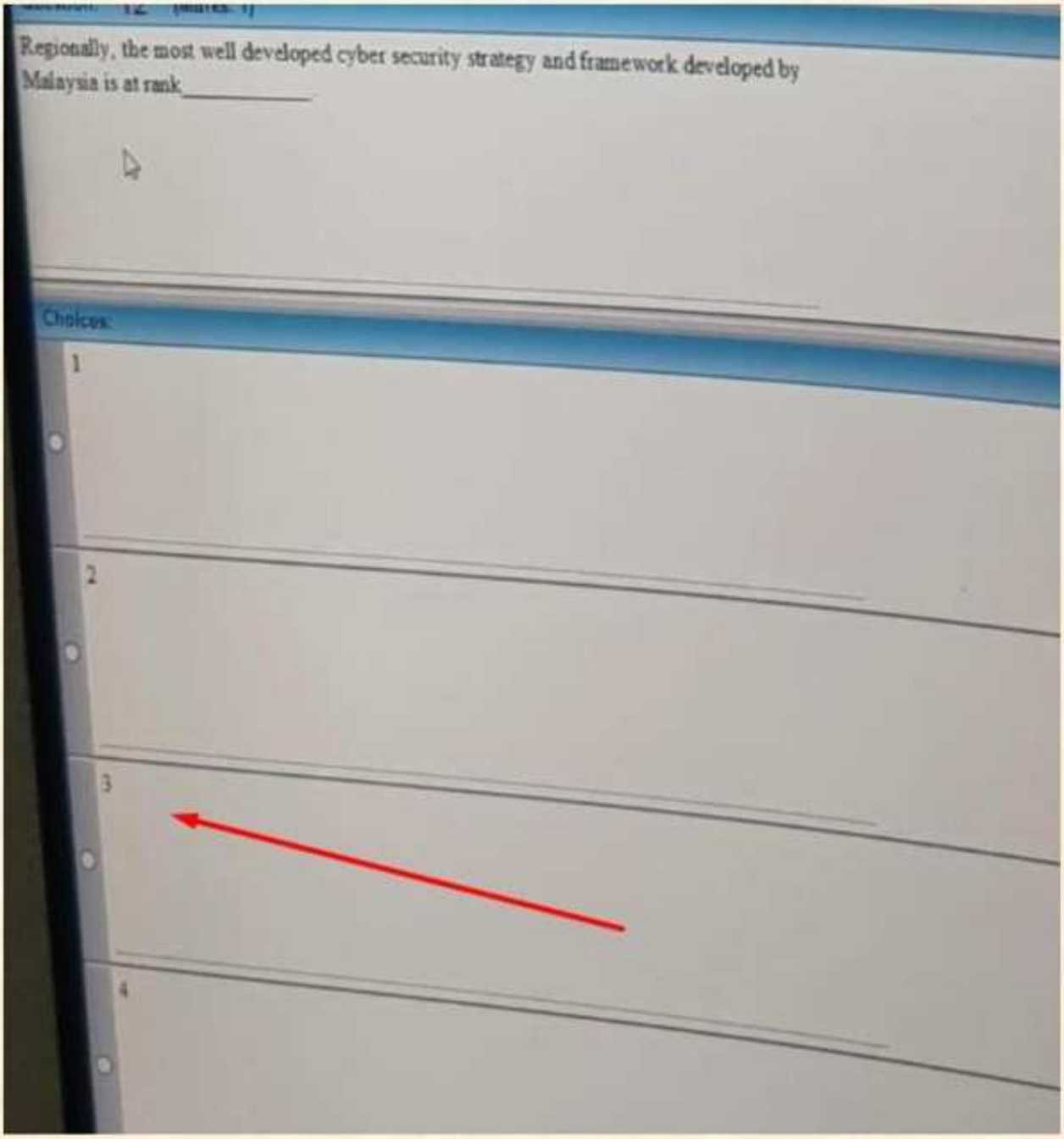
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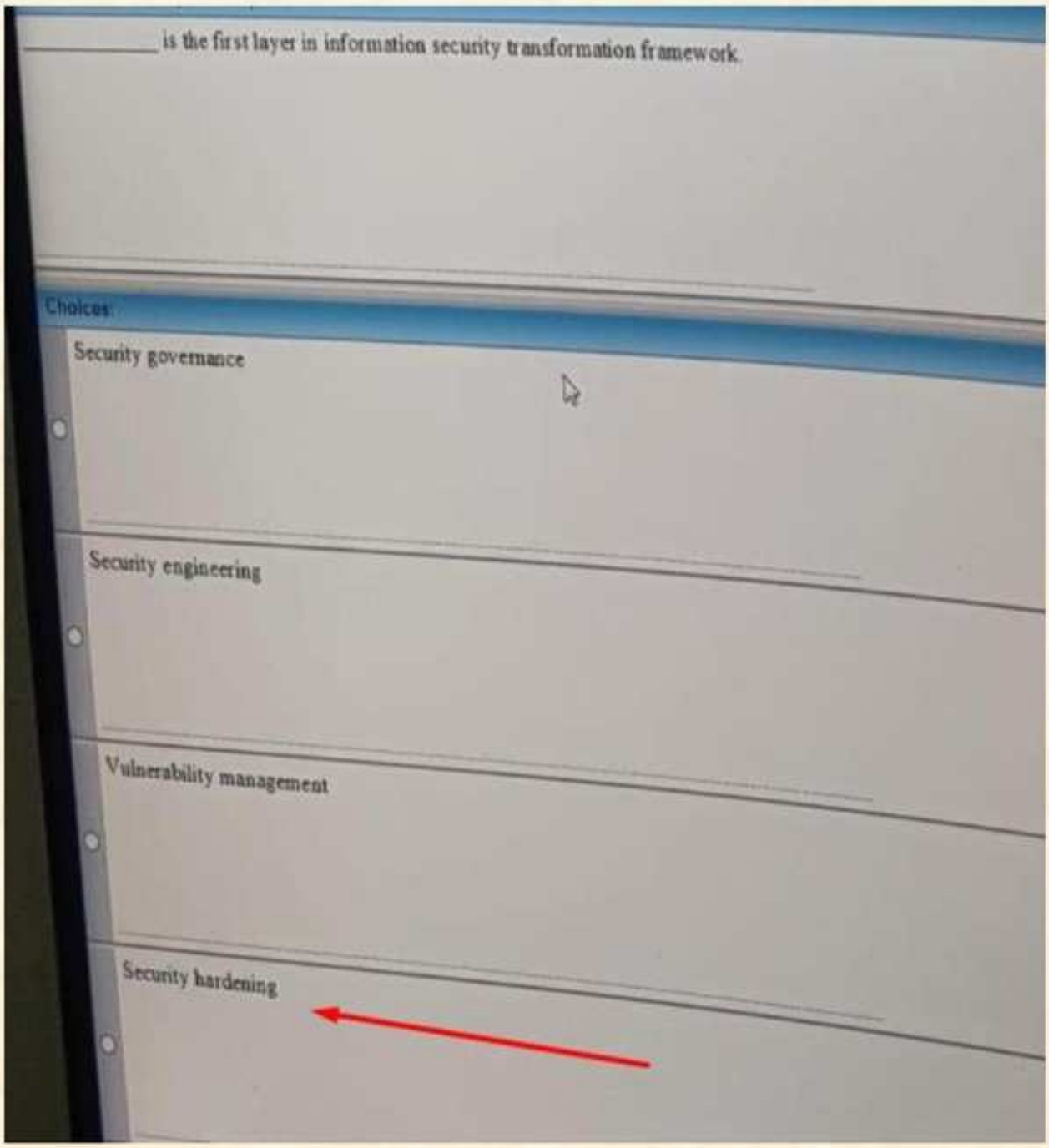
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_____ are the challenges of information security.
Choices:
Lack of budget & insufficient resource allocation
Highly specialized and continuously changing technology
Cloud and IoT
Lack of ownership, department silos, missing security hardening

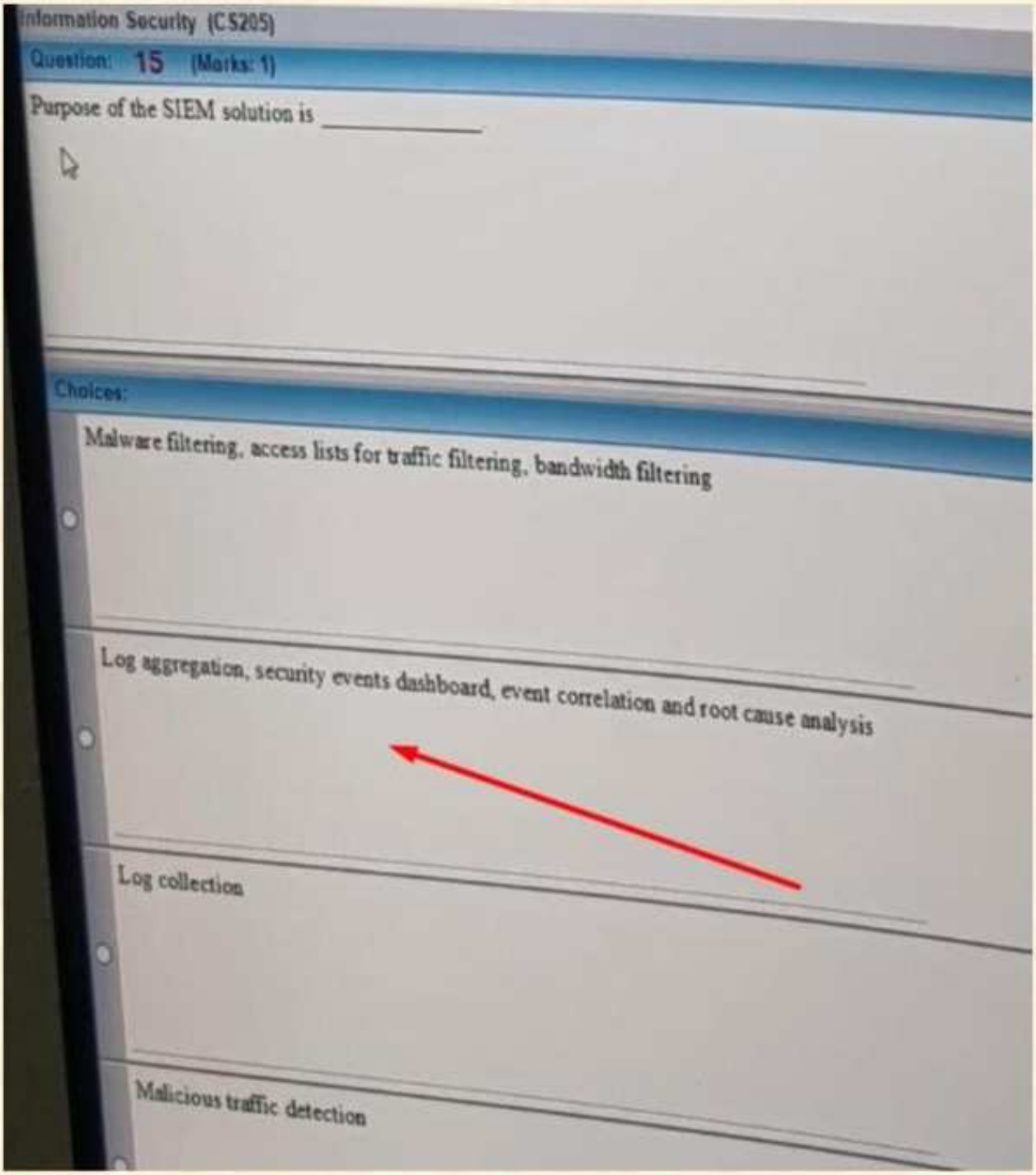
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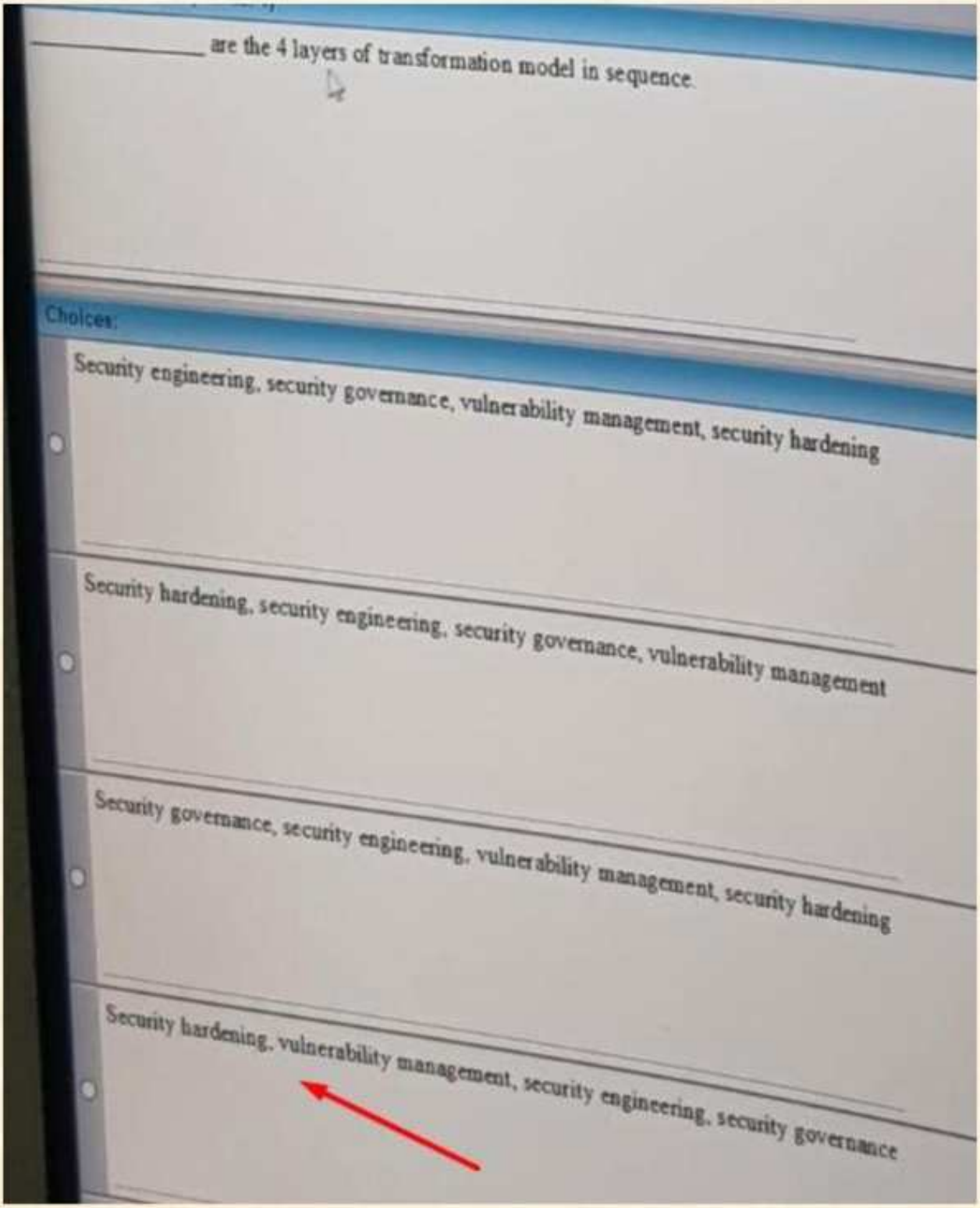
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_____ is the first layer in information security transformation framework.
Choices:
Security governance
Security engineering
Vulnerability management
Security hardening

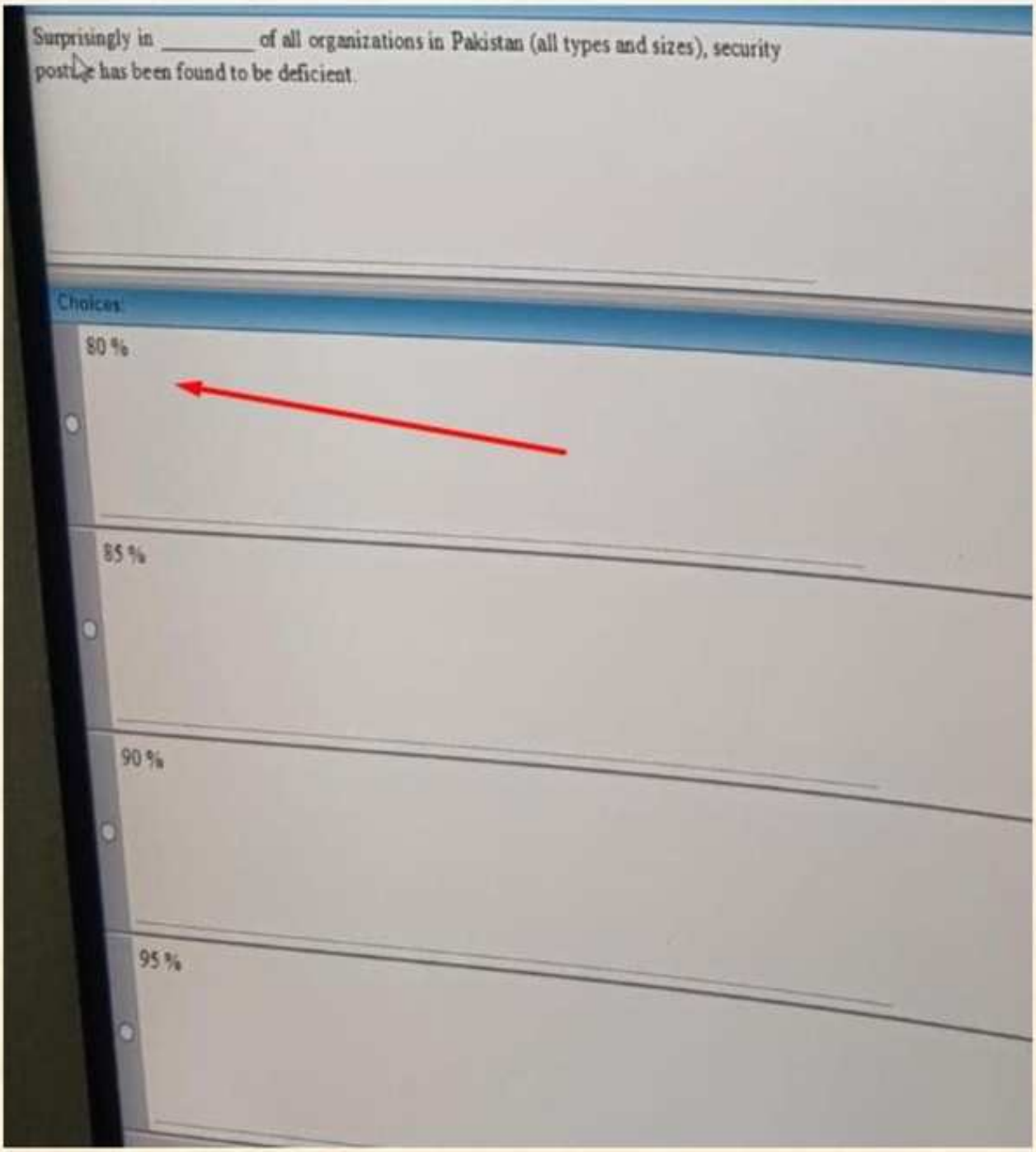
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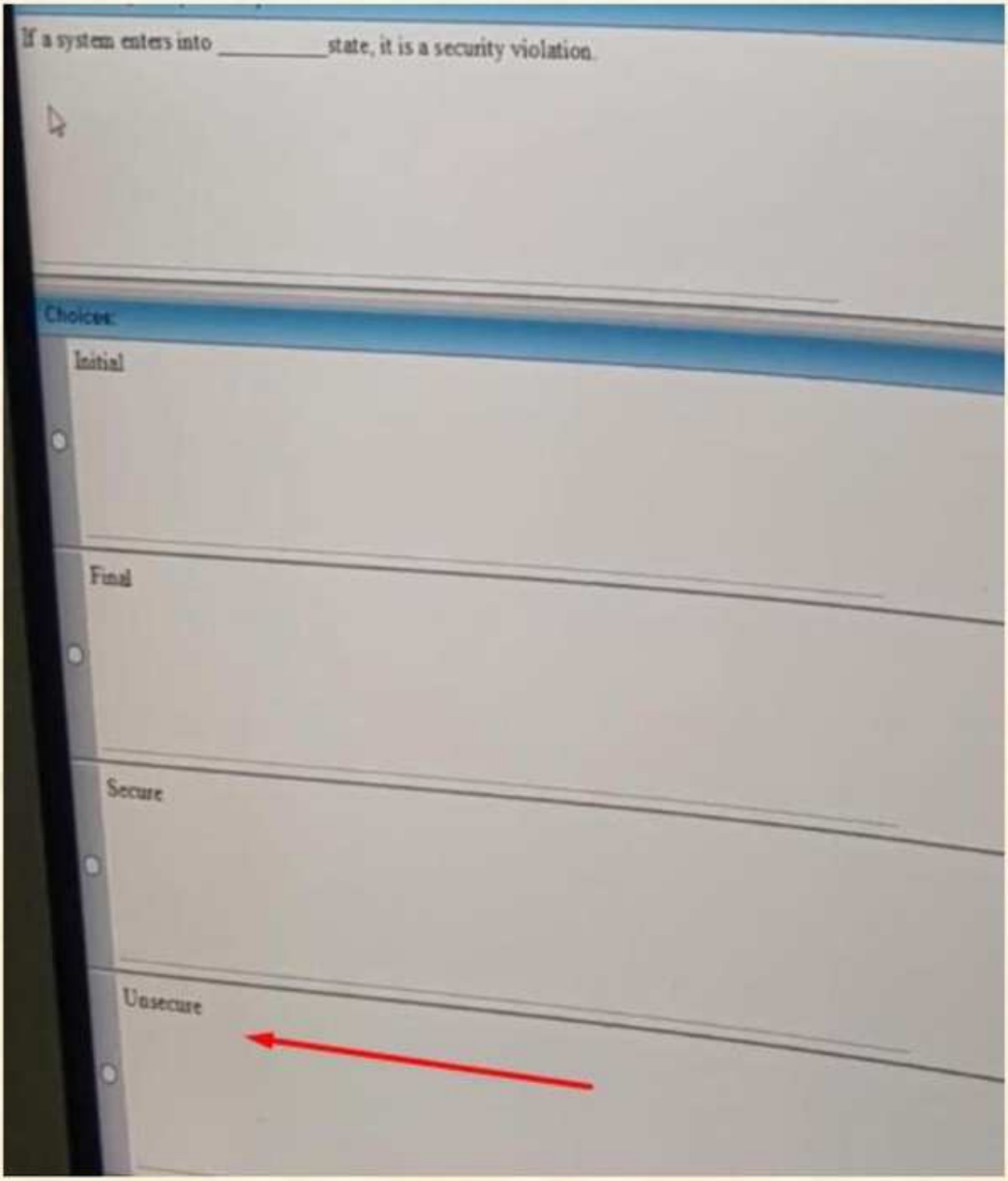
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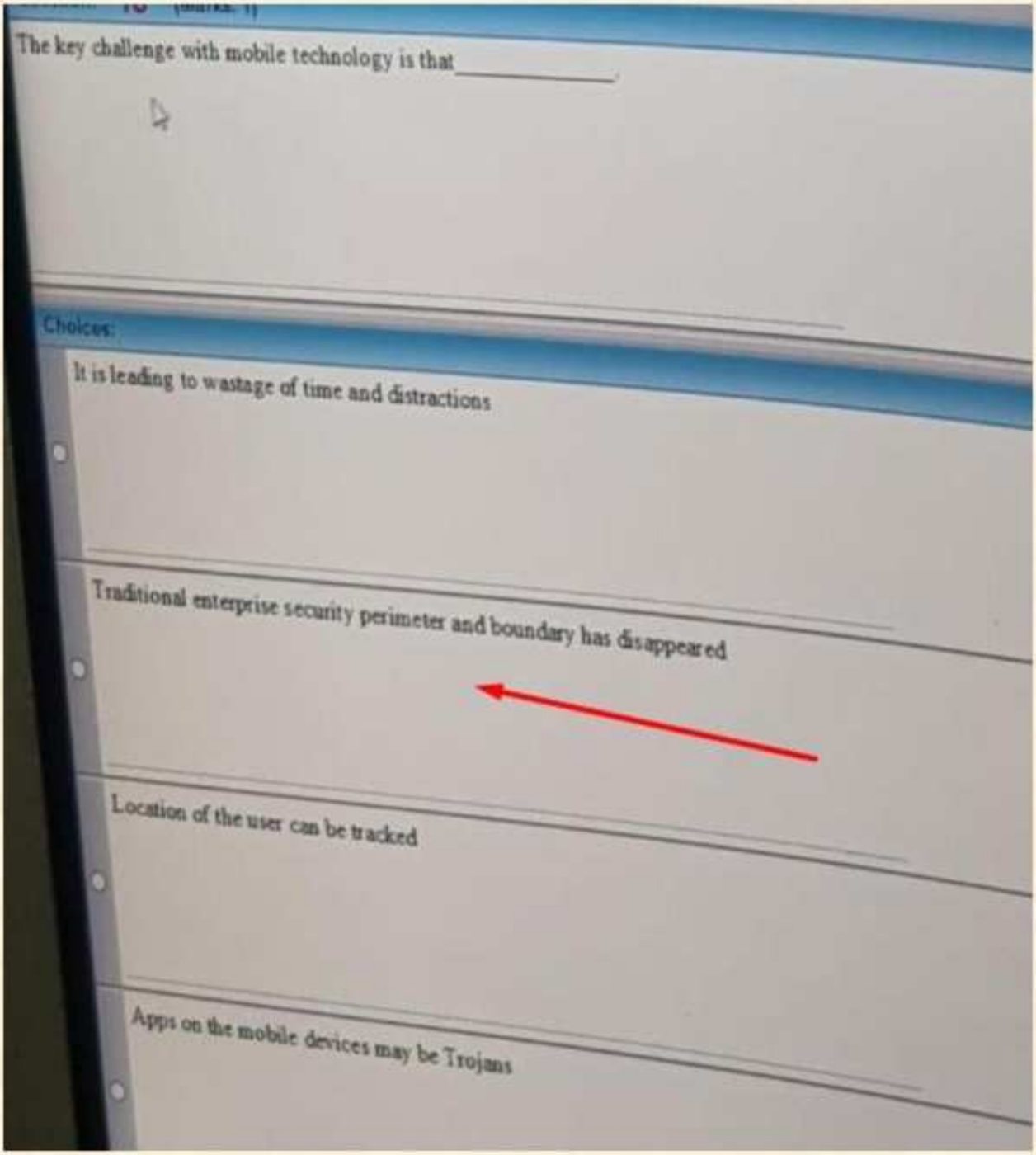

_____ are the 4 layers of transformation model in sequence.
Choices:
Security engineering, security governance, vulnerability management, security hardening
Security hardening, security engineering, security governance, vulnerability management
Security governance, security engineering, vulnerability management, security hardening
Security hardening, vulnerability management, security engineering, security governance

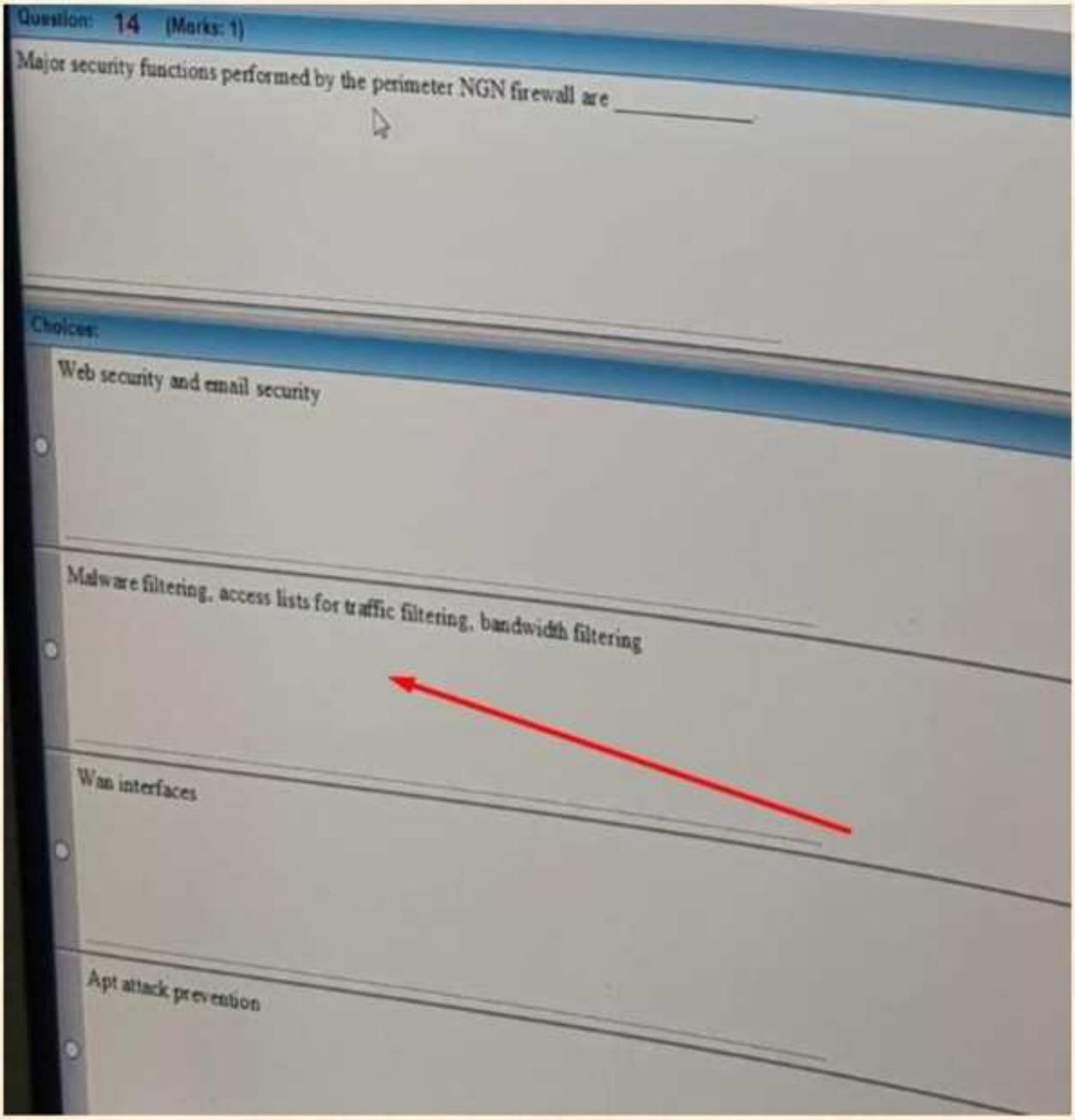
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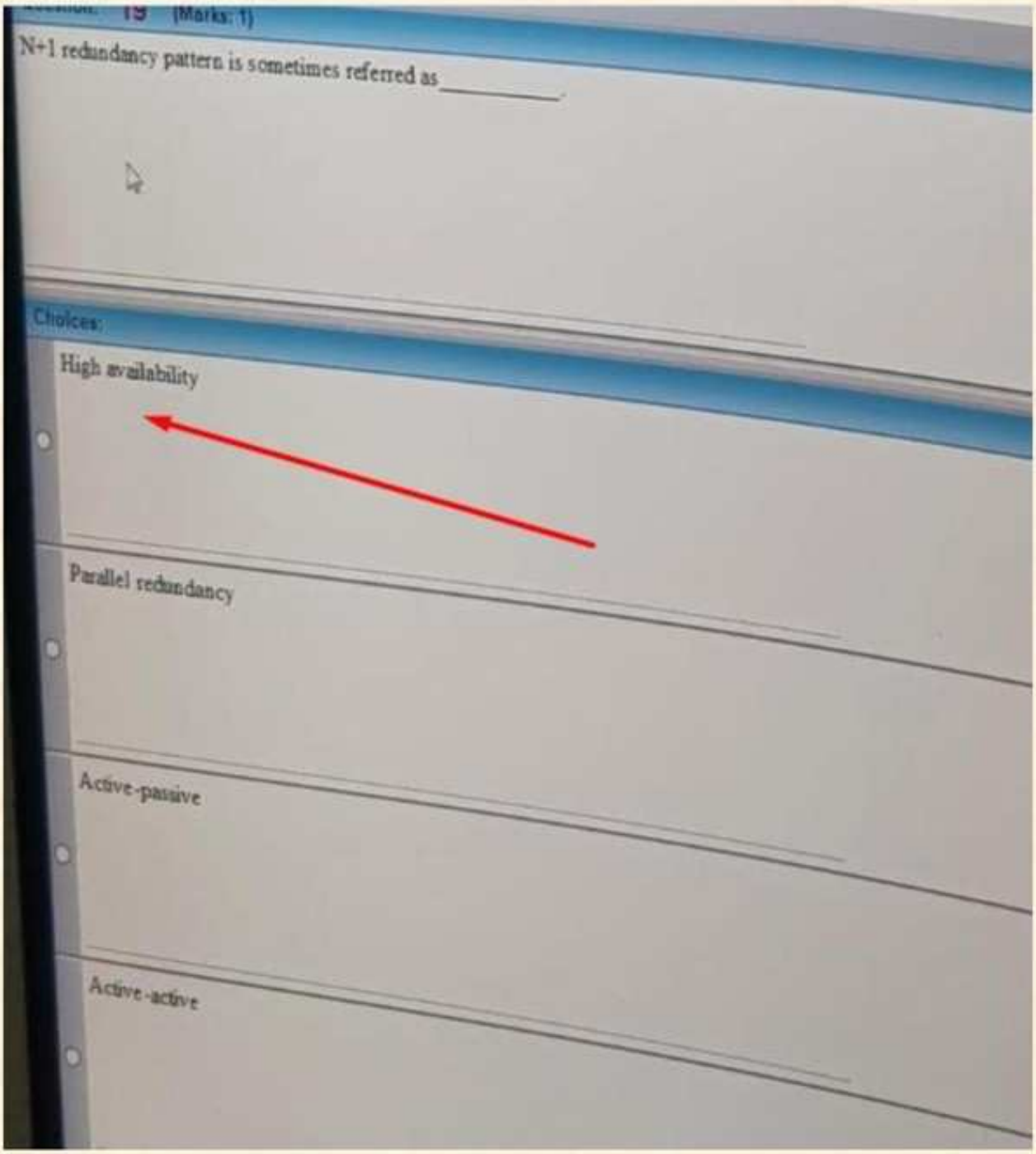
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If a system enters into _____state, it is a security violation.
Choices:
Initial
Final
Secure
Unsecure


The key challenge with mobile technology is that_____.
Choices:
It is leading to wastage of time and distractions
Traditional enterprise security perimeter and boundary has disappeared
Location of the user can be tracked
Apps on the mobile devices may be Trojans

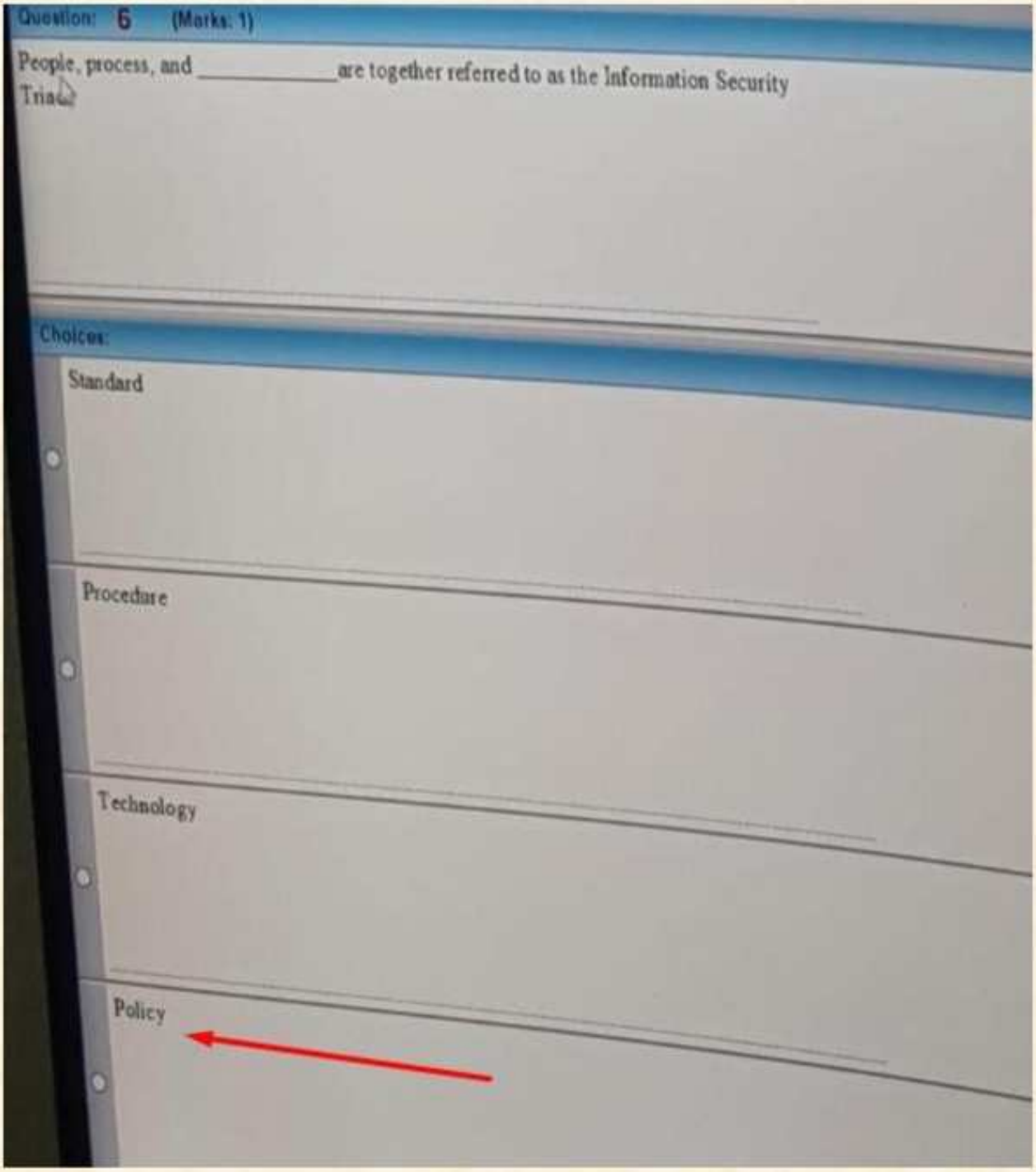

Question: 14 (Marks: 1)
Major security functions performed by the perimeter NGN firewall are _____.
Choices:
Web security and email security
Malware filtering, access lists for traffic filtering, bandwidth filtering
Wan interfaces
Apt attack prevention

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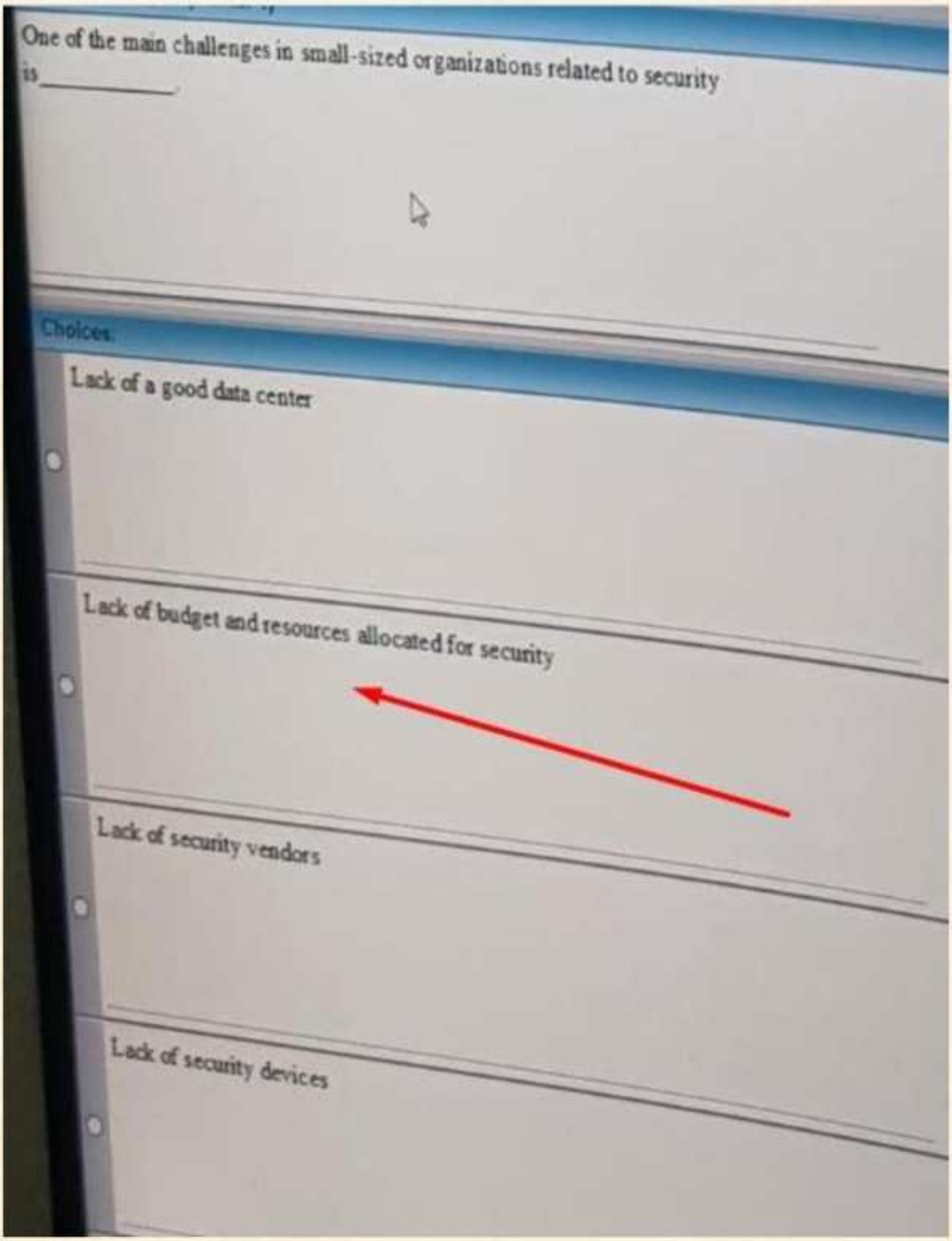


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One of the main challenges in small-sized organizations related to security is_____.
Choices
Lack of a good data center
Lack of budget and resources allocated for security
Lack of security vendors
Lack of security devices