

Every free-response point here is a specific action in a specific scenario – which rule, which address, which permission. Everything below is a rule the readers apply. 自由作答题要给出具体场景中的具体操作: 哪条规则、哪个地址、哪项权限。

How the readers score a scenario response

- ✗

Recommending a control in general terms – ‘improve the firewall’.
- ✓

Say exactly what changes: which rule, which port, which direction.

The guidelines withhold the point from responses that are vague or unrelated to the policy.

措施要具体到规则

SG2026
- ✗

Adding a new rule where the question asked you to modify an existing one.
- ✓

Modify the rule the scenario names.

The guidelines list suggesting a new rule instead of modifying one among the responses that earn no point.

按题目要求修改现有规则

SG2026
- ✗

Naming a change without saying what it will do.
- ✓

State the impact: which traffic will now be blocked, and what the user will see.

The guidelines require an accurate impact of the change for the point.

要说明改动的影响

SG2026
- ✗

Quoting an IP address or a log line from the wrong row.
- ✓

Read the log carefully and cite the exact value the question is about.

The guidelines reject any address other than the one in the evidence, and entries unrelated to the events asked about.

要引用正确的日志条目

SG2026
- ✗

Writing a command with approximate syntax.
- ✓

Get the syntax right – the flags, the order, the path.

The guidelines state that incorrect command syntax earns no point.

命令语法要准确

SG2026
- ✗

Removing all permissions to be safe.
- ✓

Apply least privilege: remove only what is not needed, and keep the access the role requires.

The guidelines reject responses that suggest removing all permissions for a file on the system.

最小权限, 不是全部移除

SG2026

- ✗

Misreading the permission bits.
- ✓

Read them in threes – owner, group, others – and say which class you are changing.

Named directly as a reason a response earns no point.

权限位按三组读

SG2026
- Answer inside the scenario. A control that would be right for another network earns nothing here.

结合题目场景作答

SG2026

1 · Introduction to Security 安全导论

- ✗

Using confidentiality, integrity and availability interchangeably.
- ✓

Confidentiality is who can read it; integrity is whether it is unaltered; availability is whether it can be reached.

The scenario always maps to one of the three, and naming the wrong one makes the control wrong.

CIA 三性要分清

CED 1.2
- ✗

Calling any attack a virus.
- ✓

Name the class: worm, trojan, ransomware, phishing, denial of service.

The response depends on the class, so the label decides the rest of the answer.

要写出攻击的具体类型

CED 1.4
- ✗

Confusing a threat, a vulnerability and a risk.
- ✓

A vulnerability is the weakness; a threat is what could exploit it; risk is the likelihood and impact together.

The three are separate assessed concepts and questions ask for one specifically.

威胁、脆弱性、风险不同

CED 1.3

2 · Securing Spaces 保护物理空间

- ✗

Treating physical security as outside cybersecurity.
- ✓

Include it: locked racks, badge access, cable management, visitor logs.

Securing spaces is a unit of the course and appears in scenario questions.

物理安全也是考点

CED 2.1
- ✗

Naming multi-factor authentication as two passwords.
- ✓

The factors must differ: something you know, something you have, something you are.

Two of the same factor is not multi-factor, which is the point being tested.

多因素要用不同类别

CED 2.4

3 · Securing Networks 保护网络

- ✗ Saying a firewall ‘blocks hackers’.
- ✓ It filters traffic against rules – by address, port and protocol.

The mechanism is what lets you say which rule to change.

防火墙按规则过滤流量CED 3.3
- ✗ Confusing a router, a switch and a firewall.
- ✓ A switch forwards within a network, a router between networks, a firewall filters.

Recommending a change on the wrong device cannot be credited.

路由器、交换机、防火墙功能不同CED 3.2
- ✗ Saying a VPN makes a user anonymous.
- ✓ It encrypts the tunnel between the user and the endpoint; it does not hide activity from the endpoint.

Overstating a control leads to a recommendation the scenario does not support.

VPN 只加密隧道CED 3.6

4 · Securing Devices 保护设备

- ✗ Recommending patching without saying what it fixes.
- ✓ Name the vulnerability class the update closes.

The impact statement is a separate scored component.

补丁要说明修复了什么CED 4.2
- ✗ Treating an account lockout as a complete answer to failed logins.
- ✓ Add monitoring and alerting – a lockout without a log entry hides the attack.

The scenario questions ask what you would detect as well as what you would prevent.

锁定之外还要监控告警CED 4.5

5 · Securing Applications and Data 保护应用与数据

- ✗ Saying data is ‘encrypted’ with no more detail.
- ✓ Say where: at rest, in transit, or both – and with symmetric or asymmetric keys.

The scenario decides which applies, and the distinction is assessed.

要区分静态与传输加密CED 5.4
- ✗ Storing passwords encrypted.
- ✓ Hash them, with a salt. Encryption is reversible; hashing is not.

The distinction is a standard discriminator and the wrong choice is a real vulnerability.

密码要哈希加盐CED 5.5

- ✗ Recommending a backup with no recovery test.
- ✓ Say how the restore would be verified, and where the backup is kept.

An untested backup is not a control, and the guidelines look for the practical detail.

备份要能恢复并验证CED 5.6
- Where a question gives a log, a config or a permissions listing, the answer is in it. Cite the exact line.

答案在给定的日志或配置中SG2026
- ✗ Recommending a control that the scenario says is already in place.
- ✓ Read what exists, and add or change something that does not.

A recommendation the scenario already satisfies cannot be an improvement.

不要重复已有的措施SG2026
- ✗ Answering a ‘describe the impact on users’ question with the technical change.
- ✓ Say what the user will experience: which service stops working, what they must now do.

The impact statement is scored separately from the change itself.

要写对用户的影响SG2026

3 · Securing Networks 保护网络

- ✗ Confusing a port number with an IP address.
- ✓ The address names the host; the port names the service on it.

A firewall rule needs both, and swapping them makes the rule meaningless.

IP 是主机, 端口是服务CED 3.4
- ✗ Saying a network is safe because it is behind a firewall.
- ✓ Defence in depth: a firewall filters traffic and does nothing about a compromised device inside.

Scenario questions usually turn on the control that the named one does not provide.

防火墙不能防内部威胁CED 3.7

4 · Securing Devices 保护设备

- ✗ Treating antivirus as sufficient endpoint protection.
- ✓ Add patching, configuration hardening, and logging.

The unit assesses layered device security, not a single product.

终端防护要多层CED 4.3
- ✗ Leaving default credentials in place because the device is internal.
- ✓ Change them, and record that you did.

Default credentials are a named vulnerability whatever the device’s location.

默认口令必须修改CED 4.4

✗ Validating user input in the browser only.

✓ **Validate on the SERVER too – client-side checks can be bypassed.**

This is the mechanism behind the injection vulnerabilities the unit covers.

服务端也要校验输入

CED 5.2

✗ Describing an incident response as ‘fix it and move on’.

✓ **Follow the phases: identify, contain, eradicate, recover, and review.**

The phases are assessed content and the review is what prevents a repeat.

应急响应有固定阶段

CED 5.7